

		F-GC-30 Versión 1 Octubre 2016		EMPOCALDAS S.A. E.S.P GESTIÓN DE CONTRATACIÓN LISTA CHEQUEO PAGO DE ACTAS - CONTRATOS SUMINISTROS	
# CONTRATO Y AÑO	127/2017 ✓	Acta Nº	2 ✓	1. VALOR INICIAL (incluido IVA)	175.422.600 ✓
				2. VALOR ADICIÓN (+)	27.026.300 ✓
CONTRATISTA	PROFINAS S.A.S ✓			3. VALOR TOTAL (1+2)	202.448.900 ✓
			800.246.805-0 ✓	4. VALOR ACTAS ANTERIORES (-)	83.175.740 ✓
CDP (#, rubro y fecha)	996 de 13/10/2017 392 DE MARZO 2 DE 2017 ✓			5. VALOR PRESENTE ACTA (-)	94.705.605 ✓
RP (#, rubro y fecha)	619 DE 8 DE MAYO DE 2017 ✓ 001080 19 DE OCTUBRE DE 2017			6. VALOR NO EJECUTADO (3 - 4 - 5)	24.567.555 ✓

OBJETO DEL CONTRATO: SUMINISTRO DE REACTIVOS PARA LOS LABORATORIOS DE LAS PLANTAS DE EMPOCALDAS S.A. E.S.P.

TIPO DE RECURSOS	PROPIOS	CENTRO DE COSTOS y PROCEDIMIENTO	1305120 TRATAMIENTO DE AGUA CRUDA ✓
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DOCUMENTO VERIFICADOS		# FOLIOS
1- Autoliquidaciones en Salud, Pensiones y Riesgos profesionales del personal y del contratista (Personas naturales) o Certificado de Cumplimiento del Artículo 50 de la Ley 789/02 (Personas jurídicas)	X	✓
2- Factura (Régimen Común) o Factura equivalente (régimen simplificado).	X	✓
3- Informe del Supervisor.	X	✓
4- Evaluación del Supervisor Formato F-CG-17 (Solo aplica para el acta final)		
5- Informe de recibo de almacén (IRA).	X	✓
6- Certificado de calidad del producto.	X	✓

Nota: Si pasados tres (3) días después del recibo de esta documentación el Supervisor del contrato no presenta correcciones, quedará en firme y será subida al SECOP.

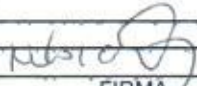
Secretaría General CERTIFICA que el Supervisor del Contrato entregó la documentación para ser archivada en la carpeta correspondiente.

Lucy González A.
NOMBRE DE QUIEN RECIBE

03.10.2017
FIRMA

DOCUMENTOS ANEXOS CON DESTINO A TESORERÍA	
Factura (Régimen Común) o Factura equivalente (régimen simplificado).	X ✓
Acta original (Parcial o Final).	X
Informe del Supervisor.	X
Evaluación del Supervisor Formato F-CG-17 (Solo aplica para el acta final).	
Copia del Registro Presupuestal.	X
Autoliquidaciones en Salud, Pensiones y Riesgos profesionales del personal y del contratista (Personas naturales) o Certificado de Cumplimiento del Artículo 50 de la Ley 789/02 (Personas jurídicas).	X
Estampillas (Aplica para órdenes de compra).	
Informe de recibo de almacén (IRA).	X
Certificado cuenta bancaria del contratista (Aplica para el acta 1 o por cambio de cuenta solicitado por el proveedor)	
Distribución por centro de costos. Formato F-GF-32.	X

Fecha de presentación 31 de octubre de 2017

DATOS DEL SUPERVISOR		
NUBIA JANETH GALVIS GONZALEZ	JEFE SECCION TÉCNICA Y OPERATIVA	
NOMBRE	CARGO	FIRMA

DATOS PARA LA TRANSFERENCIA DE PAGOS		
30100904326	AHORROS	BANCOLOMBIA
CUENTA	TIPO DE CUENTA	BANCO

ACTA DE PAGO No. 2 ✓

CONTRATO	N° 0127
CONTRATISTA	PROFINAS S.A.S.
OBJETO	SUMINISTRO DE REACTIVOS PARA LOS LABORATORIOS DE LAS PLANTAS DE EMPOCALDAS S.A. E.S.P.
VALOR TOTAL	\$175.422.600 IVA INCLUIDO ✓
ADICION No. 1	\$ 27.026.300 IVA INCLUIDO ✓
VALOR TOTAL	\$202.448.900 IVA INCLUIDO ✓
VALOR ACTA No. 1	\$83.175.740 IVA INCLUIDO ✓
VALOR ACTA No. 2	\$ 94.705.605 IVA INCLUIDO ✓
SALDO POR PAGAR	\$24.567.555 IVA INCLUIDO ✓

En la ciudad de Manizales el 31 de octubre de 2017 se reunieron MARIA LUISA JIMENEZ MONTOYA representante legal de la Empresa PROFINAS S.A.S. como contratista y NUBIA JANETH GALVIS GONZALEZ Jefe Sección Técnica y Operativa de Empocaldas en calidad de Supervisora, con el fin de suscribir el acta de pago No. 2 del contrato en mención.

No siendo otro el motivo de la presente acta se firma por los que en ella intervinieron.


MARIA LUISA JIMENEZ MONTOYA.
Representante legal
PROFINAS S.A.S.


NUBIA JANETH GALVIS G.
Jefe Sección Técnica y Operativa Empocaldas
S.A. E.S.P.
Supervisora

Copia



INFORME RECIBO DE ALMACEN

IRA

Documento No. **M0011367**
Proveedor **PROFINAS S.A.S.**
Cod. Presupuestal:

Fecha: **20171031**
Seccional
Elaborado por **LUZ AYDE PATIÑO MART**

SISTEMA FORTUNER DSI, S.A www.dsi.com.co Tel. 8873113

ITEM	CODIGO	DESCRIPCION	U. MEDIDA	CANTIDAD	Vr. UNITARIO	VR. TOTAL
1	5511155006648	PAÑO ABSORVENTE WYPALL	UNIDA	21.0	28151.000	703493.490
2	1165511000222	TITRIPLEX SOLUCION A	UNIDA	16.0	247815.000	4718397.600
3	1151811000221	TIOSULFATO DE SODIO	UNIDA	2.0	87395.000	208000.100
4	7750201000156	PATRON DE CONDUCTIVIDAD	UNIDA	20.0	58739.000	1397988.200
5	1151811000191	SODIO CARBONATO	UNIDA	1.0	236303.000	281200.570
6	1151811000168	KIT NITRITOS	CAJA	10.0	379496.000	4516002.400
7	1151811011289	REACTIVOS COT	UNIDA	1.0	1833361.000	2181699.590
8	7750201006603	REACTIVOS SULFATOS BOLSILLOS HACH	UNIDA	75.0	135126.000	12059995.500
9	1151811000184	REACTIVOS FLUORUROS	UNIDA	2.0	157731.000	375399.780
10	7750201000148	NITRATO DE PLATA	FRASC	1.0	316218.000	376299.420
11	7750201000033	AQUAQUANT NITRITO	UNIDA	20.0	439244.000	10454007.200
12	1151811007269	M-COLIBLUE CALDO DE CULTIVO	UNIDA	43.0	371513.000	19010320.210
13	1151811006605	KIT DE HIERRO MACHEREY NAGEL	UNIDA	23.0	529160.000	14483109.200
14	1151811006598	KIT DE CLORO MACHEREY NAGEL	UNIDA	6.0	500000.000	3570000.000
15	1151811006599	KIT ALUMINIO MACHEREY NAGEL	UNIDA	4.0	479160.000	2280801.600
16	5511114003519	JABON NEUTRO	GALON	20.0	120588.000	2869994.400
17	1151811000130	HIDROXIDO DE AMONIO	UNIDA	1.0	90000.000	107100.000
18	1151811000106	FOSFATO ACIDO DE POTASIO	KILO	6.0	118992.000	849602.880
19	1151811007450	FILTRO DE MEMBRANA CON PAD	CAJA	24.0	92353.000	2637601.680
20	1151811000102	FENOLFTALEINA	FRASC	1.0	95966.000	114199.540
21	1151811006597	EDTA ACIDO ETILENDIAMINOTETRACETICO	UNIDA	1.0	128151.000	152499.690
22	1151811006596	DPD FREE BOLSILLOS HACH	UNIDA	6.0	939328.000	6706801.920
23	1151811000074	CROMATO DE POTASIO	FRASC	1.0	669244.000	796400.380
24	7750201000073	CLORURO DE POTASIO	KILO	3.0	86200.000	258600.000
25	1151811000048	ALCOHOL IMPOTABLE PARA LABORATORIO	UNIDA	9.0	93697.000	1003494.870
26	1166002000047	ALCOHOL ETILICO	UNIDA	1.0	90420.000	107599.800
27	1151811000027	ACIDO NITRICO CONCENTRADO	UNIDA	2.0	230000.000	547401.000
28	7750201000073	CLORURO DE POTASIO	KILO	1.0	86200.000	86200.000
29	7750201000073	CLORURO DE POTASIO	KILO	1.0	86200.000	86200.000
30	1165511006543	TABLETAS TAMPON PARA DUREZA	UNIDA	6.0	247226.000	1765193.640

TOTAL DOCUMENTO 94,705,605

OBSERVACIONES:

SUMINISTRO DE REACTIVOS PARA LOS LABORATORIOS Y PLANTAS, ACTA DE PAGO 2 CONTRATO 0127/2017, CDP 392/2017, RP 619/2017, FRA 16786-16787-16808, NOTAS CREDITO 4229,180,4229 Y CERTIFICAICONES ADJUTAS.

.....
JEFE SUMINISTROS

.....
DUEÑO DEL PROCESO

INFORME SUPERVISION CONTRATO No. 0127 DE 2017

LA SUSCRITA JEFE SECCION TECNICA Y OPERATIVA
DE EMPOCALDAS S.A. E.S.P. EN CALIDAD DE SUPERVISORA

CERTIFICA QUE

El contratista PROFINAS S.A.S. ha realizado la entrega de reactivos según la presente certificación.

Las entregas se realizaron en el transcurso del mes mediante las facturas que se relacionan

FACTURA	VALOR	NOTA DEBITO	NOTA CREDITO	TOTAL
16787	71.789.597			71.789.597
16795	1.863.936	13.763	9.903	1.867.796
16808	13.263.014			13.263.014
16786	7.196.800			7.196.800
16881	588.398			588.398
TOTAL ACTA No. 2				94.705.605

La discriminación de reactivos entregados es la siguiente:

ITEM	Nombre o descripción	Código de inventario	ACTA 2	Unidad	Valor unitario Antes IVA	IVA	Valor total IVA INCLUIDO
1	Ácido Nítrico. 65%. ISO	27	2	Presentación x 2.5 L	\$ 230.000	\$ 87.400	\$ 547.400
2	Alcohol Etilico. Absoluto para análisis ACS,ISO,≥99,5%	47	1	Presentación x 2.5 L	\$ 90.420	\$ 17.180	\$ 107.600
3	Alcohol Industrial	48	9	presentación por 20 L	\$ 93.697	\$ 160.222	\$ 1.003.495
4	Cloruro de potasio. Grado analítico ACS. ISO *	73	5	kg	\$ 86.200	Exento de IVA	\$ 431.000
6	Cromato de Potasio. Grado analítico ACS.	74	1	Fco x 1 kg	\$ 669.244	\$ 127.156	\$ 796.400
7	DPD Free Chlorine Reagent determinación colorimétrica muestra	6596	6	fco * 1000 und.	\$ 939.328	\$ 1.070.834	\$ 6.706.802

	de 10 ml, Compatible equipo HACH						
8	EDTA. Ácido etilendiaminotetracético. Sal disódica Grado analítico ACS. ISO	6597	1	Frasco 100 gramos	\$ 128.151	\$ 24.349	\$ 152.500
9	Fenolftaleína. Grado analítico ACS	102	1	Frasco x 100 g	\$ 95.966	\$ 18.234	\$ 114.200
10	Filtro de membrana con PAD. material de esteres de celulosa de 0.45 µm x 47 mm.	7450	24	caja x 100	\$ 92.353	\$ 421.130	\$ 2.637.602
12	Fosfato mono potásico (PO4H2K) anhidro. ISO	106	6	kg	\$ 118.992	\$ 135.651	\$ 849.603
13	Hidróxido de Amonio al 25%.	130	1	Presentación 2.5 l	\$ 90.000	\$ 17.100	\$ 107.100
14	Jabón neutro Extrán para lavado de cristalería en laboratorio químico	3519	20	presentación por 5 L.	\$ 120.588	\$ 458.234	\$ 2.869.994
16	kit aluminio 0.01 - 1.0 mg/l Al3 x 200 determinaciones. Compatible con equipo Macherey Nagel	6599	4	KIT	\$ 479.160	\$ 364.162	\$ 2.280.802
17	Kit de cloro 0,1-2,0 mg/l Cl x 1000 determinaciones compatible con equipo Macherey Nagel	6598	6	KIT	\$ 500.000	\$ 570.000	\$ 3.570.000
19	kit Hierro Método colorimétrico con tarjeta colorimétrica. 0,01-0,20 mg/l Fe x 300 det Macherey Nagel 0,0-0,01-0,02-0,03-0,04-0,05-0,07-0,10-0,5-0,20 mg/l Fe.	6605	23	KIT	\$ 529.160	\$ 2.312.429	\$ 14.483.109
20	m-Colibblue. ampollas	7269	43	Paquete x 50 test	\$ 371.513	\$ 3.035.261	\$ 19.010.320
21	MCOLOREST NITRITOS 0.1 - 0.2 - 0.3 - 0.4 - 0.6 - 0.8 - 1.0 - 1.3 - 2.0 MG/L NO2- (AQUAQUANT)	33	20	KIT	439.244	1.669.127	10.454.007
22	Nitrato de Plata. Grado analítico ACS. ISO.	148	1	Frasco 25 gramos	316.218	60.080	376.298
23	Reactivo de fluoruro, Rango: 0,02 - 2,00 mg / l F-. Comptible con equipo DR6000	184	2	LITRO	\$ 157.731	\$ 59.938	\$ 375.400
24	Reactivo para determinación sulfatos en bolsillos pk/100 und. Muestra x 10 ml. Compatible con equipo HACH. Rango 2 a 70 mg/L SO4	6603	75	pk/100 und.	\$ 135.126	\$ 1.925.546	\$ 12.059.996
25	Reactivos para determinación de COT compatible con equipo DR6000 HACH. Rango 0,3 a 20 mg/L C	11269	1	Paquete x 50 test	\$ 1.833.361	\$ 348.339	\$ 2.181.700

26	Repuesto para Kit Nitritos Aquaquant Merck 118463. Repuesto para 114774, 114424, 114408	168	10	kit X 400 determinaciones	\$ 379.496	\$ 721.042	\$ 4.516.002
27	SODIO CARBONATO ANHIDRO 99.999 SUPRAPUR	191	1	Fco X 50 g	\$ 236.303	\$ 44.898	\$ 281.201
30	Solución Calibración conductivímetro 1000 $\mu\text{S}/\text{cm}$ (25°C).	156	20	frascox500 ml.	\$ 58.739	\$ 223.208	\$ 1.397.988
32	Tabletas tampón Indicadoras para determinar la dureza del agua con soluciones Titriplex®.	6543	6	frasco por 1000 unidades	247.226	281.838	1.765.194
28	Tiosulfato de Sodio reactivo puro. $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$. ACS. ISO	221	2	kg	\$ 87.395	\$ 33.210	\$ 208.000
29	Titriplex III solución A para determinación de alcalinotérreos en agua (dureza) 1 ml \pm 56 mg de CaO/l empleando 100 ml de agua	222	16	Presentación 1 L	\$ 247.815	\$ 753.358	\$ 4.718.398
31	Paño absorbente reutilizable X70 wypall. Rollo x 80 paños.		21	ROLLO	\$ 28.151	\$ 112.322	\$ 703.493
						15.052.248	94.705.605

* EXCENTO IVA

Manizales, 31 de octubre de 2017



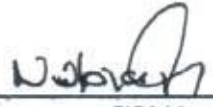
NUBIA JANETH GALVIS GONZALEZ
JEFE SECCION TECNICA Y OPERATIVA

 F-GF-19 Versión 2 Abril 2016	EMPOCALDAS S.A E.S.P GESTION FINANCIERA CERTIFICACION RECIBO DE BIENES
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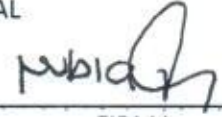
		FECHA DE RECIBO DEL BIEN	27/10/2017						
SECCIONAL QUE RECIBE	CHINCHINA CUERVOS								
NOMBRE DEL PROVEEDOR SEGÚN REMISIÓN	PROFINAS SAS								
NUMERO DE REMISION	<table border="1" style="width: 100%;"> <tr><td style="text-align: center;">FACTURA</td></tr> <tr><td style="text-align: center;">16787</td></tr> <tr><td style="text-align: center;">16795</td></tr> <tr><td style="text-align: center;">16808</td></tr> <tr><td style="text-align: center;">16786</td></tr> <tr><td style="text-align: center;">16881</td></tr> </table>	FACTURA	16787	16795	16808	16786	16881	ORDEN DE COMPRA O CONTRATO	127 DE 2017
FACTURA									
16787									
16795									
16808									
16786									
16881									
		FECHA DE CERTIFICACIÓN	01/11/2017						

CONCEPTO: Se recibió a satisfacción los reactivos de acuerdo a lo solicitado. Ver informe de supervisión

DATOS DE QUIEN RECIBE EL (los) BIEN (es)

NUBIA JANNETH GALVIS GONZALEZ NOMBRE	JEFE SECCION TECNICA CARGO	 FIRMA
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DATOS DEL JEFE DEL ÁREA O ADMINISTRADOR SECCIONAL

NUBIA JANNETH GALVIS GONZALEZ NOMBRE	JEFE SECCION TECNICA CARGO	 FIRMA
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OSCAR DARIO MONTOYA TORRES, identificado con cédula de ciudadanía No. 75.077.212 de Manizales, con Tarjeta Profesional No. 75890-T, en mi calidad de Revisor Fiscal de **PROFINAS S.A.S.** con NIT 800.246.805 - 0.

CERTIFICO

Que la empresa como persona jurídica está obligada a tener Revisor Fiscal de acuerdo con el artículo 13, parágrafo 2 de la Ley 43 de 1990.

Que **PROFINAS S.A.S.**, se encuentra a paz y salvo con el pago de obligaciones al Sistema Integral de Seguridad Social, por el período de doce (12) meses comprendidos desde Octubre de 2016 a Octubre de 2017, este último mes, incluye salud al mes de Octubre de 2017; pensión, riesgos profesionales, aportes a Caja de Compensación, concerniente a las autoliquidaciones de Septiembre de 2017, cancelados con planilla N° 7671931943 del cuatro (04) de Octubre de 2017.

Que de acuerdo con el Art. 20 de la ley 1607 de 2012, **PROFINAS S.A.S.**, es sujeto pasivo del impuesto sobre la renta para la Equidad (CREE) y en vigencia del decreto 862 del 26 de Abril de 2013 se encuentra exonerada del pago de aportes parafiscales a favor del Servicio Nacional de Aprendizaje (SENA) y el Instituto Colombiano de Bienestar Familiar (ICBF).

Igualmente certifico que se encuentra al día en el cumplimiento de la obligación de contratación de aprendices.

La presente certificación se expide, para dar cumplimiento al artículo 50 de la Ley 789 de diciembre 27 de 2002.

Para constancia de lo anterior, se firma en Santiago de Cali, a los cinco (05) días del mes de Octubre de 2017.

Esta certificación está vigente hasta el primer día hábil del mes siguiente al de expedición.

Cordialmente,

OSCAR DARIO MONTOYA TORRES
Revisor Fiscal T.P. 75890-T
Designado de **CPAAI Cabrera International S.A.**

Original

PROFINAS S.A.S
 NIT.: 800246805-0
 Carrera 40 No. 14-09 Urbanización Acopi
 YUMBO
 Tel: 6644320-6644489 Fax: 6647315
 CIIU: 4664

FACTURA DE VENTAS

Numero: 2 - 16786
 Fecha: 2017-OCT-24
 Pagina: 01 de 01

Cliente : Empocaldas S.A. E.S.P.	Forma de Pago : Credito a 60 Días	Fecha de Vencimiento : 2017-DIC-24
Contacto :	Vendedor: 33815724	Segovia Cruz Elsy Clarena
Nit o C.C.: 890803239-9 Codigo: 890803239	OC.Nro : 127	OV.Nro : 112745
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal	Remisiones : 124863	Moneda : PESOS
Ciudad : MANIZALES		
Telefono : 886 7080		
Fax :		

Referencia	Descripcion	Mo	Cantidad	U.M	Precio_Unit.	Descuento	Valor_Total	Impto
182-5G	ALCOHOL ETILICO 96% x5GALONES Lote : 1710056793 Vcto.: 2019/10/05	01	5	UND	93,697.00	0.00	468,485.00	19.00
555	GARRAFA PLASTICA 5 GALONES	02	5	UND	0.00	0.00	0.00	19.00
1049361000	POTASIO CLORUROxKILO MERCK Lote : K48411736 Vcto.: 2021/10/31	01	3	UND	86,200.00	0.00	258,600.00	0.00
21055-28	HACH CLORO LIBRE PQx1000UND 2105528 Lote : A6327 Vcto.: 2021/11/30	01	3	UND	939,328.00	0.00	2,817,984.00	19.00
1084180100	TITRIplex IIIx100GR MERCK 2H2O Lote : K48050818 Vcto.: 2021/06/30	01	1	UND	128,151.00	0.00	128,151.00	19.00
1072330100	FENOLFTALEINAx100GR MERCK Lote : K46622733 Vcto.: 2020/05/31	01	1	UND	95,966.00	0.00	95,966.00	19.00
A045F047A	MEMBRANA 0.45UMx47MM CON PADS MFS	01	16	UND	92,353.00	0.00	1,477,648.00	19.00
1048731000	POTASIO FOSFATO MBXKILO MERCK Lote : AM1089773 Vcto.: 2021/10/31	01	5	UND	118,992.00	0.00	594,960.00	19.00
1084301000	TABLETAS TAMPOX1000TB MERCK Lote : TP1340530 Vcto.: 2022/02/28	01	1	UND	247,226.00	0.00	247,226.00	19.00

TOTAL_BRUTO	DSCTO X LINEA	DSCTO_GLOBAL	0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
6,089,020.00	0.00	0.00		6,089,020.00	1,107,780.00	0.00	7,196,800.00

Valor Letras : SIETE MILLONES CIENTO NOVENTA Y SEIS MIL OCHOCIENTOS PESOS MCTE.

Observación: ADICION AL CONTRATO 0127

NUBIA GALVIZ

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenido res Res.8748 Nov/19/2012.Autorretenedores ICA Yumbo Res.008 Mar/04/2014.Retenemos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo Valido. ventas@profinas.info www.PROFINAS.COM

* Despues de vencida esta Factura cobraremos Interes de Mora del 2.98% Mensual
 * Resolucion No. 18762001994791 Fecha : ENE-30-2017
 Numeracion Autorizada 2 - 10000 al 2 - 30000



(Firma y sello)

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIU: 4664

FACTURA DE VENTAS
Numero: 2 - 16808
Fecha: 2017-OCT-25
Pagina: 01 de 01

Cliente : Emocaldas S.A. E.S.P. Forma de Pago : Fecha de Vencimiento :
Contacto : Credito a 60 Dias 2017-DIC-25
Nit o C.C.: 890803239-9 Codigo: 890803239
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal Vendedor: 33815724 Segovia Cruz Elsy Clarena
Ciudad : MANIZALES
Telefono : 886 7080 OC.Nro : DV.Nro : Dcto.Alt : Remisiones : Moneda :
Fax : 127 108643 124886 PESOS

Referencia	Descripcion	No	Cantidad	U.M	Precio Unit.	Descuento	Valor Total	Impo
26084-50	M.COLIBLUE 24 PABx50 HACH Lote : A7269 Vcto.: 2018/09/19	01	30	UND	371.513.00	0.00	11.145.390.00	19.00

TOTAL_BRUTO	DSCTO x LINEA	DSCTO_GLOBAL 0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
11.145.390.00	0.00	0.00	11.145.390.00	2.117.624.00	0.00	13.263.014.00

Valor Letras : TRECE MILLONES DOSCIENTOS SESENTA Y TRES MIL CATORCE PESOS MCTE.
Observacion: CONTRATO

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012. Autoretenedores ICA Yumbo Res.008 Mar/04/2014. Retenemos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo Valor. ventas@profinas.info WWW.PROFINAS.COM
* Despues de vencida esta Factura cobraremos Interes de Mora del 2.5% Mensual
* Resolucion No. 18762001994791 Fecha : ENE-30-2017
Numeracion Autorizada 2 - 10000 al 2 - 30000

PROFINAS S.A.S
NIT 800 246 805-0
CARRERA 40 NO. 14-09 URBANIZACION ACOPÍ YUMBO

(Firma y Sello)



An ISO 9001 Certified Company

Certificate of Analysis

COMMODITY: **m-ColiBlue24[®] Broth Plastic Ampules**
COMMODITY NUMBER: **2608450** MANUFACTURE DATE:
LOT NUMBER: **A7269** **9/19/2017**

DATE OF ANALYSIS:
9/21/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Typical bacterial growth. Blue-purple colonies formed by <i>Escherichia coli</i> (ATCC#25922) and red colonies formed by <i>Enterobacter cloacae</i> (ATCC#13047). Countable number of colonies per plate.	85 to 115 %	104.0 %
pH of the solution	6.8 to 7.2	6.92
Sterile, no viable bacteria are present after incubation at 35 C for 48 hours.	To Pass	Passed

The expiration date is Sep 19, 2018

Certified by _____

Scott Als
Analytical Services Chemist

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUNBO
Tel: 6644320-6644489 Fax: 6647315
CIU: 4664

FACTURA DE VENTAS
Numero: 2 - 16787
Fecha: 2017-OCT-24
Pagina: 01 de 04

Cliente : Emocaldas S.A. E.S.P. Forma de Pago : Fecha de Vencimiento :
Contacto : Credito a 60 Dias 2017-DIC-24
Nit o C.C.: 890803239-9 Codigo: 890803239
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal Vendedor: 33815724 Segovia Cruz Elsy Clarena
Ciudad : MANIZALES
Telefono : 886 7080 OC.Nro : OV.Nro : Dcto.Alt : Remisiones : Moneda :
Fax : 127 108643 124864 PESOS

Referencia	Descripcion	Mo	Cantidad	U.M	Precio Unit.	Descuento	Valor Total	Imoto
1004562510	ACIDO NITRICOx2.5LT MERCK Lote : K48742156 Vcto.: 2020/01/31	01	2	UND	230,000.00	0.00	460,000.00	19.00
1009832500	ALCOHOL ETILICOx2.5LITRO MERCK Lote : K49257583 Vcto.: 2022/06/30	01	1	UND	90,420.00	0.00	90,420.00	19.00
182-58	ALCOHOL ETILICO 96% x56GALONES Lote : 1710056793 Vcto.: 2019/10/05	01	4	UND	93,697.00	0.00	374,788.00	19.00
555	GARRAFA PLASTICA 5 GALONES	02	4	UND	0.00	0.00	0.00	19.00
1049361000	POTASIO CLORUROxKILO MERCK Lote : K48420436 Vcto.: 2021/10/31	01	1	UND	86,200.00	0.00	86,200.00	0.00
1049521000	POTASIO CROMATOxKILO MERCK Lote : K48393452 Vcto.: 2021/09/30	01	1	UND	669,244.00	0.00	669,244.00	19.00
21055-28	HACH CLORO LIBRE PQx1000UND 2105528 Lote : A7193 Vcto.: 2022/07/30	01	3	UND	939,328.00	0.00	2,817,984.00	19.00
A045F047A	MEMBRANA 0.45UMx47MM CON PADS MFS	01	8	UND	92,353.00	0.00	738,824.00	19.00
1048731000	POTASIO FOSFATO MBxKILO MERCK Lote : AM1089773 Vcto.: 2021/10/31	01	1	UND	118,992.00	0.00	118,992.00	19.00
1054322500	PC-AMONIACO 25%x2.5LT MERCK Lote : K48409332 Vcto.: 2021/10/31	01	1	UND	90,000.00	0.00	90,000.00	19.00

*** P A S A ***

TOTAL BRUTO	DSCTO x LINEA	DSCTO GLOBAL 0.00%	SUB-TOTAL	VALOR IVA	VALOR IAC	TOTAL
0.00	0.00	0.00	0.00	0.00	0.00	0.00

Valor Letras :
Observacion: CONTRATO

ESTA FACTURA CONTIENE
CONTROLADOS POR
MINJUSTICIA, NO
ADMITE ANULACION
NI CAMBIO DE FECHA.

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012. Autoretenedores ICA Yumbo Res.008 Mar/04/2014. Retenemos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo Valor. ventas@profinas.info WWW.PROFINAS.COM

* Despues de vencida esta Factura cobraremos Interes de Mora del 2.58% Mensual
* Resolucion No. 18762001994791 Fecha : ENE-30-2017
Numeracion Autorizada 2 - 10000 al 2 - 30000

PROFINAS S.A.S
NIT. 800.246.805-0
CARRERA 40 NO. 14-09 URBANIZACION ACOPÍ YUNBO
TEL: 6644320-6644489 FAX: 6647315

(Firma y Sello)

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIUU: 4664

FACTURA DE VENTAS
Numero: 2 - 16787
Fecha: 2017-OCT-24
Pagina: 02 de 04

Cliente : Emocaldas S.A. E.S.P. : Forma de Pago : Fecha de Vencimiento
Contacto : : Credito a 60 Dias : 2017-DIC-24
Nit o C.C.: 890803239-9 Codigo: 890803239
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal : Vendedor: 33815724 Segovia Cruz Elsy Clarena
Ciudad : MANIZALES
Telefono : 886 7080 : OC.Nro : OV.Nro : Dcto.Alt : Remisiones : Moneda
Fax : : 127 : 108643 : 124864 : PESOS

Referencia	Descripcion	No	Cantidad	U.M	Precio_Unit.	Descuento	Valor_Total	Impto
* VIENE *								
CD175535000	EXTRAN NEUTROx5LITROS MERCK	01	20	UND	120,588.00	0.00	2,411,760.00	19.00
	Lote : 170330505 Vcto.: 2022/06/30							
91802	KIT ALUMINIO 0.01-1.0MGx200DET MACHEREY	01	4	UND	479,160.00	0.00	1,916,640.00	19.00
	Lote : 4725 Vcto.: 2019/04/30							
931916	KIT CLORD 0.1-2.0MG/Lx1000DET MACHEREY	01	1	UND	500,000.00	0.00	500,000.00	19.00
	Lote : 4353 Vcto.: 2018/07/31							
931916	KIT CLORD 0.1-2.0MG/Lx1000DET MACHEREY	01	1	UND	500,000.00	0.00	500,000.00	19.00
	Lote : 4643 Vcto.: 2018/07/31							
931916	KIT CLORD 0.1-2.0MG/Lx1000DET MACHEREY	01	3	UND	500,000.00	0.00	1,500,000.00	19.00
	Lote : 4781 Vcto.: 2018/10/31							
931916	KIT CLORD 0.1-2.0MG/Lx1000DET MACHEREY	01	1	UND	500,000.00	0.00	500,000.00	19.00
	Lote : 5154 Vcto.: 2019/01/31							
920040	KIT HIERRO 0.0-0.20MG/Lx300DET MACHEREY	01	23	UND	529,160.00	0.00	12,170,680.00	19.00
	Lote : 5043 Vcto.: 2019/07/31							
26084-50	M.COLIBLUE 24 PADx50 HACH	01	3	UND	371,513.00	0.00	1,114,539.00	19.00
	Lote : A7136 Vcto.: 2018/05/12							
26084-50	M.COLIBLUE 24 PADx50 HACH	01	8	UND	371,513.00	0.00	2,972,104.00	19.00
* P A S A *								

TOTAL_BRUTO	DSCTO x LINEA	DSCTO_GLOBAL 0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
0.00	0.00	0.00	0.00	0.00	0.00	0.00

Valor Letras :
Observacion: CONTRATO
ESTA FACTURA CONTIENE CONTROLADOS POR MINJUSTICIA, NO ADMITE ANULACION NI CAMBIO DE FECHA.

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenido res Res.8748 Nov/19/2012.Autoretenedores ICA Yumbo Res.008 Mar/04/2014.Retecemos IVA al Req.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo Valor. ventas@profinas.info WWW.PROFINAS.COM
* Despues de vencida esta Factura cobraremos Interes de Mora del 2.58% Mensual
* Resolucion No. 18762001994791 Fecha : ENE-30-2017
Numeracion Autorizada 2 - 10000 al 2 - 30000

[Handwritten Signature]
PROFINAS S.A.S
CARRERA 40 NO. 14-09 URBANIZACION ACOPÍ
YUMBO

(Firma y Sello)

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIUU: 4664

FACTURA DE VENTAS
Numero: 2 - 16787
Fecha: 2017-OCT-24
Pagina: 03 de 04

Cliente : Empocaldas S.A. E.S.P. : Forma de Pago : Fecha de Vencimiento
Contacto : : Credito a 60 Dias : 2017-DIC-24
Nit o C.C.: 890803239-9 Codigo: 890803239
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal : Vendedor: 33815724 Segovia Cruz Elsy Clarena
Ciudad : MANIZALES : DC.Nro : OV.Nro : Dcto.Alt : Remisiones : Moneda
Telefono : 886 7080 : 127 : 108643 : 124864 : PESOS
Fax :

Referencia	Descripcion	Mo	Cantidad	U.M	Precio_Unit.	Descuento	Valor_Total	Impto
* V I E N E *								
26084-50	Lote : A7171 Vcto.: 2018/06/08 M.COLIBLUE 24 PABx50 HACH	01	2	UND	371,513.00	0.00	743,026.00	19.00
29475-53	Lote : A7195 Vcto.: 2018/07/06 HACH REACTIVO FLUORURO SPANDSx250DET	01	1	UND	157,731.00	0.00	157,731.00	19.00
29475-53	Lote : A7121 Vcto.: 2022/04/30 HACH REACTIVO FLUORURO SPANDSx250DET	01	1	UND	157,731.00	0.00	157,731.00	19.00
21067-69	Lote : A7152 Vcto.: 2022/05/30 HACH SULFAVER 4 PBx100UND	01	30	UND	135,126.00	0.00	4,053,780.00	19.00
21067-69	Lote : A7101 Vcto.: 2021/04/30 HACH SULFAVER 4 PBx100UND	01	16	UND	135,126.00	0.00	2,162,016.00	19.00
21067-69	Lote : A7186 Vcto.: 2021/06/30 HACH SULFAVER 4 PBx100UND	01	21	UND	135,126.00	0.00	2,837,646.00	19.00
21067-69	Lote : A7203 Vcto.: 2021/07/30 HACH SULFAVER 4 PBx100UND	01	8	UND	135,126.00	0.00	1,081,008.00	19.00
27603-45	Lote : A7152 Vcto.: 2021/05/30 KIT REACT/P/PRUEBA CARBON/DRG B/RAN HACH	01	1	UND	1,833,361.00	0.00	1,833,361.00	19.00
* P A S A *								

TOTAL BRUTO	DSCTO x LINEA	DSCTO GLOBAL 0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
0.00	0.00	0.00	0.00	0.00	0.00	0.00

Valor Letras :
Observacion: CONTRATO

ESTA FACTURA CONTIENE
CONTROLADOS POR
MINJUSTICIA, NO
ADMITE ANULACION
NI CAMBIO DE FECHA.

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012. Autoretenedores ICA Yumbo Res.008 Mar/04/2014. Retenemos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo Valor. ventas@profinas.info WWW.PROFINAS.COM

* Despues de vencida esta Factura cobraremos Interes de Mora del 2.58% Mensual
* Resolucion No. 18762001994791 Fecha : ENE-30-2017
Numeracion Autorizada 2 - 10000 al 2 30000

PROFINAS S.A.S
YUMBO

(Firma y Sello)

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIIU: 4664

FACTURA DE VENTAS
Numero: 2 - 16787
Fecha: 2017-OCT-24
Pagina: 04 de 04

Cliente : Empocaldas S.A. E.S.P.	Forma de Pago : Credito a 60 Dias	Fecha de Vencimiento : 2017-DIC-24
Contacto :		
Nit o C.C.: 890803239-9 Codigo: 890803239	Vendedor: 33815724	Segovia Cruz Elsy Clarena
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal		
Ciudad : MANIZALES	DC.Nro : 127	OV.Nro : 108643
Telefono : 886 7080	Octo.Alt :	Remisiones : 124864
Fax :		Moneda : PESOS

Referencia	Descripcion	Mo	Cantidad	U.M	Precio_Unit.	Descuento	Valor_Total	Impto
* V I E N E *								
X 1184630002	SPECTROQUANT NITRITOSx400DET MERCK Lote : HC604441 Vcto.: 2019/09/30	01	7	UND	379,496.00	0.00	2,656,472.00	19.00
X 1184630002	SPECTROQUANT NITRITOSx400DET MERCK Lote : HC720972 Vcto.: 2020/03/31	01	3	UND	379,496.00	0.00	1,138,488.00	19.00
X 1063950050	PC-SODIO CARBONATO ANHIDROx50GR MERCK Lote : B1455695 Vcto.: 2022/05/31	01	1	UND	236,303.00	0.00	236,303.00	19.00
1065161000	SODIO TIOSULFATOxKILO MERCK Lote : A0836616 Vcto.: 2018/04/30	01	2	UND	87,395.00	0.00	174,790.00	19.00
1084191000	TITRIplex SOLUCION AxLT MERCK Lote : HC69800019 Vcto.: 2019/06/30	01	16	UND	247,815.00	0.00	3,965,040.00	19.00
WYPALL X-70	PAPEL WYPALL X-70 ROLLO 88 HOJAS 42x28cm	01	21	UND	28,151.00	0.00	591,171.00	19.00
81144240001	AQUAQUANT NITRITOSx400TEST Lote : HC694157 Vcto.: 2019/06/30	01	19	UND	439,244.00	0.00	8,345,636.00	19.00
*PA040508	PATRON COND 1000USx500ML Lote : 17596 Vcto.: 2019/08/31	01	20	UND	58,739.00	0.00	1,174,780.00	19.00

ESTA FACTURA CONTIENE
CONTROLADOS POR
MINJUSTICIA, NO
ADMITE ANULACION
NI CAMBIO DE FECHA.

TOTAL_BRUTO	DSCTO x LINEA	DSCTO_GLOBAL 0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	T O T A L
60,341,154.00	0.00	0.00	60,341,154.00	11,448,443.00	0.00	71,789,597.00

Valor Letras : SETENTA Y UN MILLONES SETECIENTOS OCHENTA Y NUEVE MIL QUINIENTOS NOVENTA Y SIETE PESOS MCTE.

Observacion: CONTRATO

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012. Autoretenedores ICA Yuabo Res.908 Mar/04/2014. Retenemos IVA al Reg.Simplificado. Factura por computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo de Valor. ventas@profinas.info WWW.PROFINAS.COM

* Despues de vencida esta Factura cobraremos Interes de Mora del 2.58% Mensual

PROFINAS S.A.S
NIT 800.246.805-0

República de Colombia
Departamento de Boyacá
Municipio de Yumbo
Carrera 40 No. 14-09 Urbanización Acopi
Yumbo - Boyacá

PROFINAS S.A.S
 NIT.: 800246805-0
 Carrera 40 No. 14-09 Urbanizacion Acopi
 YUMBO
 Tel: 6644320-6644489 Fax: 6647315

OTRAS NOTAS CREDITO CONTABLES
 Numero : 001-NC-004229
 Fecha : 2017-OCT-31

Tercero : Empocaldas S.A. E.S.P.

CC o NIT: 890803239-9
 Ciudad : MANIZALES

La Suma de: NUEVE MIL NOVECIENTOS TRES PESOS MOTE.

Valor: \$9,903.00

Por Concepto de: ABONAMOS A LA FRA. 2 - 16795 O.C. 127 DE FECHA OCTUBRE 24 D
 2017 POR MAYOR VALOR COBRADO EN EL PRODUCTO TABLETAS TAMPO
 X1000TB MERCK REF. 10B4301000

[CONTABILIZACION]

Cuenta	C.O	Tercero	Cruce/CCosto	Debitos	Creditos
41752550	001	890803239		8,322.00	0.00
24080523	001	890803239		1,581.00	0.00
130505	001	890803239	NC-004229-00	0.00	9,903.00
SUMAS IGUALES				9,903.00	9,903.00


 ELABORADO


 APROBADO

PROFINAS S.A.S
 NIT.: 800246805-0
 Carrera 40 No. 14-09 Urbanizacion Acopi
 YUMBO
 Tel: 6644320-6644489 Fax: 6647315

OTRAS NOTAS DEBITO CONTABLES
 Numero : 001-ND-000180
 Fecha : 2017-OCT-31

Tercero : Empocaldas S.A. E.S.P. CC o NIT: 890803239-9
 Ciudad : MANIZALES
 La Suma de: TRECE MIL SETECIENTOS SESENTA Y TRES PESOS MCTE.

Valor: \$13,763.00

Por Concepto de: AUMENTAMOS EL VALOR DE LA FACTURA 2 - 16795 D.C. 127 DE FEC
 A OCTUBRE 24 DE 2017 POR MENOR VALOR EN EL PRODUCTO POTASIO
 CLORUROxKILO MERCK REF. 1049361000

[CONTABILIZACION]

Cuenta	C.O	Tercero	Cruce/CCosto	Debitos	Creditos
41355020	001	890803239		0.00	13,763.00
130505	001	890803239	ND-000180-00	13,763.00	0.00
SUMAS IGUALES				13,763.00	13,763.00



ELABORADO



APROBADO

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIU: 4664

FACTURA DE VENTAS
Numero: 2 - 16795
Fecha: 2017-OCT-24
Pagina: 01 de 01

Cliente : Emocaldas S.A. E.S.P.	Forma de Pago : Credito a 60 Dias	Fecha de Vencimiento : 2017-DIC-24
Contacto : 890803239-9 Codimo: 890803239	Vendedor: 33815724	Segovia Cruz Elsy Clarena
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal	DC.Nro : 127	DV.Nro : 108643
Ciudad : MANIZALES	Dcto.Alt : 120621-121396-123748	Remisiones : PEGOS
Telefono : 886 7080		Moneda : PEGOS
Fax :		

Referencia	Descripcion	No	Cantidad	U.M	Precio Unit.	Descuento	Valor Total	Imoto
1049361000	POTASIO CLORUROxKILO MERCK Lote : K48086136 Vcto.: 2021/07/31	01	1	UND	72.437.00	0.00	72.437.00	0.00
1015120025	CI-PLATA NITRATOx25GR MERCK Lote : K48325812 Vcto.: 2019/09/30	01	1	UND	316.218.00	0.00	316.218.00	19.00
1084301000	TABLETAS TAMPONx1000TB MERCK Lote : TP1315230 Vcto.: 2021/05/31	01	2	UND	250.000.00	0.00	500.000.00	19.00
1084301000	TABLETAS TAMPONx1000TB MERCK Lote : TP1340530 Vcto.: 2022/02/28	01	1	UND	250.000.00	0.00	250.000.00	19.00
1144240001	AQUAQUANT NITRITOSx400TEST Lote : HC694157 Vcto.: 2019/06/30	01	1	UND	439.244.00	0.00	439.244.00	19.00

TOTAL_BRUTO	DSCTO x LINEA	DSCTO GLOBAL 0.00Z	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
1,577.899.00	0.00	0.00	1,577.899.00	286,037.00	0.00	1,863,936.00

Valor Letras : UN MILLON OCHOCIENTOS SESENTA Y TRES MIL NOVECIENTOS TREINTA Y SEIS PESOS MCTE.

Observacion: CONTRATO

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012.Autoretenedores ICA Yumbo Res.008 Mar/04/2014.Reteneamos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software BIEGA S.A. NIT 890.319.193-J. FACTURA ORIGINAL. Esta Factura es un Titulo de Valor. ventas@profinas.info WWW.PROFINAS.COM

\$ Despues de vencida esta Factura cobraremos Interes de Mora del 2,58% Mensual

\$ Resolucion No. 18762001994791 Fecha : ENE-30-2017

Numeracion Autorizada 2 - 10000 al 2 - 30000



PBCFIBAS S.A.S.
 NIT.: 000246005-0
 Carrera 40 No. 14-09 Urbanización Acodí
 YOTABO
 Tel: 6644320-6644489 Fax: 6647315-665300

REVISION
 Numero: RH-123740
 Fecha: 2017-09-13
 Pagina: 1 de 1

Cliente : Eapocaldas S.A. E.S.P. : transportador : Placa Guía : Cajas:
 Contacto : : : : 0
 Nit o C.E.: 000000890803259-9 Código: 890803259
 Dirección : Carrera 25 No 82 Barrío Milan Manizal : Vendedor: 0904 - Senovia Cruz Elsy Clarena
 Ciudad : MANIZALES :
 Teléfono : 866 7000 : DC.Nro : : Of.Nro : :
 Fax : : : 127 : :

Referencia	DESCRIPCION	Lote	V/cinsexto	Und Med	Cantidad	Valor Unitario	Valor Total	IVA
41144240001	AQUADUANT NITRIT05x500TEST	00694157	2019-06-30	UND	1.00	439.244	439.244	19

TOTAL DESPACHO 1.00

Observación: SUBTOTAL 439.244
 CONTRATO \$127 IVA 83.456
 VALOR TOTAL 522.700

Los materiales con este documento recibido, los aceptamos a satisfacción, acorde a nuestro pedido y con el nivel de calidad requerido.
 No se aceptan reclamos posteriores a la entrega aceptada.


 Desoachado

Micaela Alderica
 EVID 0126-00072509
 20/09/17
 Recibido

Original

PROFINAS S.A.S
NIT.: 800246805-0
Carrera 40 No. 14-09 Urbanizacion Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647315
CIIU: 4664

FACTURA DE VENTAS
Numero: 2 - 16881
Fecha: 2017-OCT-31
Pagina: 01 de 01

Cliente : Emocaldas S.A. E.S.P. : Forma de Pago : Fecha de Vencimiento
Contacto : : Credito a 60 Dias : 2018-ENE-01
Nit o C.C.: 890803239-9 Codigo: 890803239
Direccion : Carrera 23 No 75 82 Barrio Milan Manizal : Vendedor: 33815724 Senovia Cruz Elsy Clarena
Ciudad : MANIZALES
Telefono : 886 7080 : OC.Nro : OV.Nro : Dcto.Alt : Remisiones : Moneda
Fax : : : 113019 : 124997 : PESOS

Referencia	Descripcion	Mo	Cantidad	U.M	Precio_Unit.	Descuento	Valor_Total	Impo
1084301000	TABLETAS TAMPONx1000TB MERCK Lote : TP1340530 Vcto.: 2022/02/28	01	2	UND	247,226.00	0.00	494,452.00	19.00

TOTAL_BRUTO	DSCTO x LINEA	DSCTO_GLOBAL	0.00%	SUB-TOTAL	VALOR_IVA	VALOR_IAC	TOTAL
494,452.00	0.00	0.00		494,452.00	93,946.00	0.00	588,398.00

Valor Letras : QUINIENTOS OCHENTA Y OCHO MIL TRESCIENTOS NOVENTA Y OCHO PESOS MCTE.

Observacion: CONTRATO

IVA Reg.Comun. No Somos Grandes Contribuyentes. Autoretenedores Res.8748 Nov/19/2012. Autoretenedores ICA Yumbo Res.008 Mar/04/2014. Retenemos IVA al Reg.Simplificado. Factura por Computador PROFINAS NIT 800.246.805-0 Software SIESA S.A. NIT 890.319.193-3. FACTURA ORIGINAL. Esta Factura es un Titulo V alor. ventas@profinas.info WWW.PROFINAS.COM
Despues de vencida esta Factura cobraremos Interes de Mora del 2.58% Mensual
Resolucion No. 18762001994791 Fecha : ENE-30-2017
Numeracion Autorizada 2 - 10000 al 2 - 30000

PROFINAS S.A.S
CARRERA 40 No. 14-09 URBANIZACION ACOPÍ YUMBO
TEL: 6644320-6644489 FAX: 6647315
CIIU: 4664

(Firma y Sello)

1 (en) 24-05-2017

PROFINAS S.A.S.
NIT.: 806246503-9

Carrera 40 No. 14-09 Urbanización Acopi
YUMBO
Tel: 6644320-6644489 Fax: 6647313-665390

REMISSION
Numero: RM-120621
Fecha: 2017-05-25
Pagina: 1 de 1

Cliente : Epocaaldos S.A. E.S.P.	Transportador :	Placa Guia :	Cajas :
Contacto :			0
NIT o C.C.: 000090090003239-9 Codigos: 850803239			
Direccion : Carrera 23 No 73-02 Barrio Milan Navizal	Vendedor: 0004 - Soavia Cruz Elsy Clarena		
Ciudad : MANIZALES			
Telefono : 805 7980	OC.Nro : 127	OV.Nro :	
Fax :			

Referencia	Descripcion	--- Lote ---	V/cimiento	Und Med	Cantidad	Valor Unitario	Valor Total	IVA
1049361060	POTASIO CLORUROx110 MERCE	149096136	2021-07-31	UND	1.00	72.437	72.437	0
1015120025	PLATA NITRATOx25GR MERCE	149325812	2019-09-30	UND	1.00	316.218	316.218	19

Mcia FV X Servicios
Gube 305790
map: 10/17

TOTAL DESPACHO 2.00

Observacion:		SUBTOTAL	388.655
CONTRATO		IVA	60.081
		VALOR TOTAL	448.736

Los materiales con este documento recibido, los aceptamos a satisfaccion, acorde a nuestro pedido y con el nivel de calidad requerido.
No se aceptan reclamaciones posteriores a la entrega aceptada.

 **PROFINAS S.A.S**
NIT 800.246.805-0
CRA 40 No. 14-09-TEL 664 4320
URB ACOPI YUMBO

Despachado

Recibido

PROFIRAS S.A.S.
 NIT: 800246305-0
 Carrera 39 No. 24-27 Intersección con
 URB
 Tel: 6644320-6644320 Fax: 6644320-665500

RECIBO
 Banco: BNP
 Fecha: 2017-06-22
 Folio: 1 de 1

Cliente : Especialidad S.A. E.S.P.
 Contacto :
 Nit o C.C.: 00000090003239-9 Código: 890803335
 Dirección : Carrera 23 No 25 B2 Barrio Naran Bantón
 Ciudad : KANIZALES
 Teléfono : 586 7060
 Fax :
 Transportador :
 Vendedor: GRC - Senovia Pineda Eliz. Clever
 OC. No :
 No. Bro :

Referencia	Descripción	Cole	Vencimiento	Unid Med	Cantidad	Valor Unitario	Valor Total
1004301000	TABLETAS TAMPOLOXONE MEXE	101315239	2017-07-31	UND	2,00	250,000	500,000
1004301000	TABLETAS TAMPOLOXONE MEXE	101340730	2021-02-28	UND	1,00	250,000	250,000

TOTAL DESPACHAR 750,000

Observación:		
REVISIÓN POR CAMBIO DE PRODUCTO EN CONTRATO	SUBTOTAL	150,000
FAVOR INICIAR UNA REVISIÓN	IVA	142,500
	VALOR TOTAL	292,500

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PROFIRAS S.A.S.
 NIT 800 246 305 0
 CRA 40 No. 24-27 TEL 664 4320
 URB ACOMPAJUMBO

Ulica x Alder
 Cuentas 0126-00015040
 22106117

Despachado

Recibido



Certificate of Analysis

1.04936.1000 Potassium chloride for analysis EMSURE®
Batch K48411736

	Spec. Values		Batch Values	
Assay (argentometric)	≥ 99.5	%	99.9	%
In water insoluble matter	≤ 0.01	%	≤ 0.01	%
pH-value (5 %; water)	5.5 - 8.0		5.8	
Bromide (Br)	≤ 0.05	%	≤ 0.05	%
Iodide (I)	≤ 0.002	%	≤ 0.002	%
Phosphate (PO ₄)	≤ 0.0005	%	≤ 0.0005	%
Sulphate (SO ₄)	≤ 0.005	%	≤ 0.005	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Ba (Barium)	≤ 0.001	%	≤ 0.001	%
Ca (Calcium)	≤ 0.001	%	≤ 0.001	%
Fe (Iron)	≤ 0.0003	%	≤ 0.0003	%
Mg (Magnesium)	≤ 0.002	%	< 0.001	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%

Date of release (DD.MM.YYYY) 02.11.2016
Minimum shelf life (DD.MM.YYYY) 31.10.2021

Claudia Wiegand
Responsible laboratory manager quality control

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Certificate of Analysis

1.08418.0100 Titriplex® III for analysis (ethylenedinitrilotetraacetic acid, disodium salt dihydrate) ACS,ISO,Reag. Ph Eur

Batch K48050818

	Spec. Values		Batch Values	
Assay (complexometric; calculated as dihydrate)	99.0 - 101.0	%	99.9	%
Identity (IR-spectrum)	passes test		passes test	
Identity (Complexation)	passes test		passes test	
Identity (Sodium)	passes test		passes test	
Appearance	passes test		passes test	
Appearance of solution (50 g/l; water)	passes test		passes test	
pH (50 g/l; water)	4.0 - 5.0		4.4	
In water insoluble matter	≤ 0.003	%	≤ 0.003	%
Chloride (Cl)	≤ 0.004	%	≤ 0.004	%
Sulphate (SO ₄)	≤ 0.01	%	≤ 0.01	%
Cyanide (CN)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Ca (Calcium)	passes test		passes test	
Cu (Copper)	≤ 0.0001	%	≤ 0.0001	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
Pb (Lead)	≤ 0.001	%	≤ 0.001	%
Nitritotriacetic acid (HPLC)	≤ 0.05	%	< 0.01	%
Loss on drying (150 °C, 6 h)	8.7 - 11.4	%	9.6	%

Date of release (DD.MM.YYYY) 21.06.2016

Minimum shelf life (DD.MM.YYYY) 30.06.2021

Dr. Christian Urban

Responsible laboratory manager quality control

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Certificate of Analysis

Page 1

COMMODITY: **DPD Free Chlorine Reagent**COMMODITY NUMBER: **2105528**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A6327****11/17/2016****11/18/2016**

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Percent recovery for a 2.5 ppm standard. Chlorine concentration determined using DPD compared to the actual concentration.	93 to 107 %	95.5 %
pH of the reagent in solution	6.2 to 6.5	6.33
Hardness Reagent Blank: Absorbance of a 1000 ppm as CaCO ₃ hardness standard vs DI water measured at 530 nm in 1 cm cells.	0 to 0.009 abs	0.0015 abs

The expiration date is Nov 2021

Certified by _____

 Scott Als
 Analytical Services Chemist



Certificate of Analysis

1.07233.0100 Phenolphthalein indicator ACS, Reag. Ph Eur
Batch K46622733

	Spec. Values	Batch Values
Identity (UV/VIS-Spectrum)	passes test	passes test
Appearance	White to almost white powder	passes test
Clarity of the alcoholic solution (10 g/l ethanol)	Clear to not more than a faint trace of turbidity or insoluble matter should remain.	passes test
Absorption maximum λ_{max} (buffer pH 9.8)	551 - 554 nm	551 - 554 nm
Spec. Absorptivity A 1%/1cm (λ_{max} : 0.01 g/l; buffer pH 9.8; calculated on anhydrous substance)	700 - 750	725
Transition range (according to ACS)	passes test	passes test
Transition range	pH 8.2 - pH 9.6 Colorless - red-violet	passes test
Loss on drying (110 °C)	≤ 1 %	< 0.1 %

Date of release (DD.MM.YYYY) 22.05.2015
Minimum shelf life (DD.MM.YYYY) 31.05.2020

Dr. Matthias Marth
Responsible laboratory manager quality control

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Certificate of Analysis

1.04873.1000 Potassium dihydrogen phosphate for analysis EMSURE® ISO
Batch AM1089773

	Spec. Values		Batch Values	
Assay (alkalimetric, calculated on dried substance)	99.5 - 100.5	%	100.0	%
Assay (alkalimetric; dried substance)	≥ 99.5	%	99.8	%
pH-value (5 %, water)	4.2 - 4.5		4.3	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Sulphate (SO ₄)	≤ 0.003	%	≤ 0.003	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0010	%	≤ 0.0010	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Cu (Copper)	≤ 0.0003	%	≤ 0.0003	%
Fe (Iron)	≤ 0.0010	%	≤ 0.0010	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%
Pb (Lead)	≤ 0.001	%	≤ 0.001	%
Reducing substances	passes test		passes test	
Loss on drying (110 °C)	≤ 0.2	%	< 0.1	%
Loss on drying (130 °C)	≤ 0.2	%	< 0.2	%

Corresponds to ISO

Date of release (DD.MM.YYYY) 26.10.2016
Minimum shelf life (DD.MM.YYYY) 31.10.2021

Claudia Wiegand
Responsible laboratory manager quality control

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Certificate of Analysis

This is a Component of 2760345 lot A7220

COMMODITY: **Low Range TOC Indicator Ampules**

COMMODITY NUMBER: **2789510**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A7199**

7/25/2017

7/25/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	20.3 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.110 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.218 abs

The expiration date is Jan 2019

Certified by _____

Scott Als
Analytical Services Chemist



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Loveland, CO 80539
(970) 669-3050

Certificate of Analysis

This is a Component of 2760345 lot A7220

Page 1

COMMODITY: **Low Range TOC Indicator Ampules**

COMMODITY NUMBER: **2789510**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A7215**

8/3/2017

8/4/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	19.8 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.109 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.214 abs

The expiration date is Jan 2019

Certified by _____

Scott Als
Analytical Services Chemist



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Loveland, CO 80539
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Certificate of Analysis

This is a Component of 2760345 lot A7220

Page 1

COMMODITY: **Low Range TOC Indicator Ampules**

COMMODITY NUMBER: **2789510**

LOT NUMBER: **A7226**

MANUFACTURE DATE:

8/15/2017

DATE OF ANALYSIS:

8/15/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	19.6 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.114 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.211 abs

The expiration date is Feb 2019

Certified by _____

A handwritten signature in cursive script that reads "Scott Als".

Scott Als
Analytical Services Chemist



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Certificate of Analysis

This is a Component of 2760345 lot A7220

Page 1

COMMODITY: **TOC Persulfate**
COMMODITY NUMBER: **2790166**
LOT NUMBER: **A7145**

MANUFACTURE DATE:
5/24/2017

DATE OF ANALYSIS:
5/26/2017

TEST

SPECIFICATIONS

RESULTS

The difference in the average absorbance between HR TOC Acid Digest Reagent TNT vials with persulfate and those without measured at 598 nm.

0 to 0.1 abs

0.04 abs

The expiration date is May 2022

Certified by _____

Scott Als
Analytical Services Chemist



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Certificate of Analysis

This is a Component of 2760345 lot A7220

COMMODITY: **TOC Persulfate**
COMMODITY NUMBER: **2790166**
LOT NUMBER: **A7200**

MANUFACTURE DATE:
7/14/2017

DATE OF ANALYSIS:
7/21/2017

TEST

SPECIFICATIONS

RESULTS

The difference in the average absorbance between HR TOC Acid Digest Reagent TNT vials with persulfate and those without measured at 598 nm.

0 to 0.1 abs

0.02 abs

The expiration date is Jul 2022

Certified by _____

Scott Als
Analytical Services Chemist

HACH COMPANY



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Certificate of Analysis

This is a Component of 2760345 lot A7220

COMMODITY: **Buffer Solution, pH 2.0**

Page 1

COMMODITY NUMBER: **45233**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A7186**

7/11/2017

7/13/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
pH of a 1:30 dilution	1.9 to 2.1	1.95

The expiration date is Jun 2022

Certified by _____

A handwritten signature in cursive script that reads "Scott Als".

Scott Als
Analytical Services Chemist



Certificate of Analysis

1.00456.2510 Nitric acid 65% for analysis EMSURE® ISO
Batch K48742156

	Spec. Values		Batch Values	
Assay (alkalimetric)	≥ 65.0	%	65.3	%
Colour (Hazen)	≤ 10	Hazen	< 10	Hazen
Chloride (Cl)	≤ 0.2	ppm	< 0.2	ppm
Phosphate (PO ₄)	≤ 0.2	ppm	< 0.1	ppm
Sulphate (SO ₄)	≤ 0.5	ppm	< 0.5	ppm
Heavy metals (as Pb)	≤ 0.2	ppm	< 0.1	ppm
Ag (Silver)	≤ 0.010	ppm	< 0.005	ppm
Al (Aluminium)	≤ 0.050	ppm	< 0.010	ppm
As (Arsenic)	≤ 0.010	ppm	< 0.002	ppm
Au (Gold)	≤ 0.050	ppm	< 0.005	ppm
Ba (Barium)	≤ 0.010	ppm	< 0.005	ppm
Be (Beryllium)	≤ 0.010	ppm	< 0.005	ppm
Bi (Bismuth)	≤ 0.020	ppm	< 0.010	ppm
Ca (Calcium)	≤ 0.100	ppm	< 0.050	ppm
Cd (Cadmium)	≤ 0.010	ppm	< 0.005	ppm
Co (Cobalt)	≤ 0.010	ppm	< 0.005	ppm
Cr (Chromium)	≤ 0.020	ppm	< 0.005	ppm
Cu (Copper)	≤ 0.010	ppm	< 0.005	ppm
Fe (Iron)	≤ 0.100	ppm	< 0.020	ppm
Ga (Gallium)	≤ 0.050	ppm	< 0.010	ppm
Ge (Germanium)	≤ 0.020	ppm	< 0.010	ppm
In (Indium)	≤ 0.020	ppm	< 0.010	ppm
K (Potassium)	≤ 0.100	ppm	< 0.010	ppm
Li (Lithium)	≤ 0.010	ppm	< 0.010	ppm
Mg (Magnesium)	≤ 0.050	ppm	< 0.010	ppm
Mn (Manganese)	≤ 0.010	ppm	< 0.005	ppm
Mo (Molybdenum)	≤ 0.010	ppm	< 0.005	ppm
Na (Sodium)	≤ 0.200	ppm	< 0.200	ppm
Ni (Nickel)	≤ 0.020	ppm	< 0.010	ppm
Pb (Lead)	≤ 0.010	ppm	< 0.010	ppm
Pt (Platinum)	≤ 0.100	ppm	< 0.010	ppm
Sr (Strontium)	≤ 0.010	ppm	< 0.010	ppm
Ti (Titanium)	≤ 0.020	ppm	< 0.010	ppm
Tl (Thallium)	≤ 0.020	ppm	< 0.020	ppm
V (Vanadium)	≤ 0.010	ppm	< 0.010	ppm
Zn (Zinc)	≤ 0.020	ppm	< 0.010	ppm
Zr (Zirconium)	≤ 0.020	ppm	< 0.020	ppm
Residue on ignition (as SO ₄)	≤ 3	ppm	< 3	ppm
Tested by the dithizone	passes test		passes test	

Date of expiry: see product label
ISO-reagent



Certificate of Analysis

1.00983.2500 Ethanol absolute for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch K49257583

	Batch Values	
Purity (GC)	≥ 99.9	%
Identity (IR)	conforms	
Appearance	conforms	
Colour	≤ 10	Hazen
Solubility in water	conforms	
Acidity or alkalinity	≤ 30	ppm
Titration acid	≤ 0.0002	meq/g
Titration base	≤ 0.0002	meq/g
Density (d 20 °C/20 °C)	0.790 - 0.793	
UV absorption	conforms	
Aldehydes (as Acetaldehyd)	≤ 0.001	%
Fusel oils	conforms	
Substances reducing potassium permanganate (as O)	≤ 0.0002	%
Carbonyl compounds (as CO)	≤ 0.003	%
Readily carbonizable substances	conforms	
Acetone (GC)	≤ 0.001	%
Ethylmethylketone (GC)	≤ 0.02	%
Isoamyl alcohol (GC)	≤ 0.05	%
2-Propanol (GC)	≤ 0.003	%
Higher alcohols (GC)	≤ 0.01	%
Volatile impurities (GC) (Acetaldehyde and Acetal)	≤ 10	ppm
Volatile impurities (GC) (Benzene)	≤ 2	ppm
Volatile impurities (GC) (Methanol)	≤ 100	ppm
Volatile impurities (GC) (Total of other impurities)	≤ 300	ppm
Volatile impurities (GC) (disregard limit)	≤ 9	ppm
Chloride (Cl)	≤ 0.3	ppm
Nitrate (NO ₃)	≤ 0.3	ppm
Phosphate (PO ₄)	≤ 0.3	ppm
Sulphate (SO ₄)	≤ 0.3	ppm
Ag (Silver)	≤ 0.000002	%
Al (Aluminium)	≤ 0.00005	%
As (Arsenic)	≤ 0.000002	%
Au (Gold)	≤ 0.000002	%
Ba (Barium)	≤ 0.00001	%
Be (Beryllium)	≤ 0.000002	%
Bi (Bismuth)	≤ 0.000002	%
Ca (Calcium)	≤ 0.00005	%
Cd (Cadmium)	≤ 0.000005	%
Co (Cobalt)	≤ 0.000002	%



Certificate of Analysis

1.04936.1000 Potassium chloride for analysis EMSURE®
Batch K48420436

	Spec. Values		Batch Values	
Assay (argentometric)	≥ 99.5	%	99.9	%
In water insoluble matter	≤ 0.01	%	≤ 0.01	%
pH-value (5 %; water)	5.5 - 8.0		6.2	
Bromide (Br)	≤ 0.05	%	≤ 0.05	%
Iodide (I)	≤ 0.002	%	≤ 0.002	%
Phosphate (PO ₄)	≤ 0.0005	%	≤ 0.0005	%
Sulphate (SO ₄)	≤ 0.005	%	≤ 0.005	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Ba (Barium)	≤ 0.001	%	≤ 0.001	%
Ca (Calcium)	≤ 0.001	%	≤ 0.001	%
Fe (Iron)	≤ 0.0003	%	≤ 0.0003	%
Mg (Magnesium)	≤ 0.002	%	< 0.001	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%

Date of release (DD.MM.YYYY) 23.12.2016
Minimum shelf life (DD.MM.YYYY) 31.10.2021

Claudia Wiegand
Responsible laboratory manager quality control

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Certificate of Analysis

1.04952.1000 Potassium chromate for analysis EMSURE® ACS, Reag. Ph Eur
Batch K48393452

	Batch Values	
Assay (iodometric)	99.8	%
In water insoluble matter	< 0.005	%
pH-value (5 %; water)	9.1	
Chloride (Cl)	≤ 0.001	%
Sulphate (SO ₄)	≤ 0.01	%
Ca (Calcium)	≤ 0.005	%
Na (Sodium)	≤ 0.02	%
Pb (Lead)	≤ 0.005	%

Date of release (DD.MM.YYYY) 30.09.2016
Minimum shelf life (DD.MM.YYYY) 30.09.2021

Dr. Andreas Lang
Responsible laboratory manager quality control

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 Loveland, CO 80539
 (970) 669-3050

Certificate of Analysis

Page 1

COMMODITY: DPD Free Chlorine Reagent

COMMODITY NUMBER: 2105528

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: A7193

7/26/2017

7/27/2017

TEST	SPECIFICATIONS	RESULTS
Percent recovery for a 2.5 ppm standard. Chlorine concentration determined using DPD compared to the actual concentration.	93 to 107 %	96.2 %
pH of the reagent in solution	6.2 to 6.5	6.37
Hardness Reagent Blank: Absorbance of a 1000 ppm as CaCO ₃ hardness standard vs DI water measured at 530 nm in 1 cm cells.	0 to 0.009 abs	0.0020 abs

The expiration date is Jul 2022

Certified by _____

Scott Als
 Analytical Services Chemist



Certificate of Analysis

1.04873.1000 Potassium dihydrogen phosphate for analysis EMSURE® ISO
Batch AM1089773

	Spec. Values		Batch Values	
Assay (alkalimetric, calculated on dried substance)	99.5 - 100.5	%	100.0	%
Assay (alkalimetric; dried substance)	≥ 99.5	%	99.8	%
pH-value (5 % water)	4.2 - 4.5		4.3	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Sulphate (SO ₄)	≤ 0.003	%	≤ 0.003	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0010	%	≤ 0.0010	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Cu (Copper)	≤ 0.0003	%	≤ 0.0003	%
Fe (Iron)	≤ 0.0010	%	≤ 0.0010	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%
Pb (Lead)	≤ 0.001	%	≤ 0.001	%
Reducing substances	passes test		passes test	
Loss on drying (110 °C)	≤ 0.2	%	< 0.1	%
Loss on drying (130 °C)	≤ 0.2	%	< 0.2	%

Corresponds to ISO

Date of release (DD.MM.YYYY) 26.10.2018
Minimum shelf life (DD.MM.YYYY) 31.10.2021

Claudia Wiegand
Responsible laboratory manager quality control

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Certificate of Analysis

1.05432.2500 Ammonia solution 25% for analysis EMSURE®
Batch K48409332

	Spec. Values		Batch Values	
Assay (acidimetric, NH ₃)	≥ 25.0	%	26.2	%
Carbonate (as CO ₂)	≤ 10	ppm	< 10	ppm
Chloride (Cl)	≤ 0.5	ppm	< 0.5	ppm
Phosphate (PO ₄)	≤ 0.5	ppm	< 0.5	ppm
Sulphate (SO ₄)	≤ 2	ppm	< 2	ppm
Sulphide (S)	≤ 0.2	ppm	< 0.2	ppm
Ag (Silver)	≤ 0.020	ppm	< 0.010	ppm
Al (Aluminium)	≤ 0.500	ppm	< 0.200	ppm
Au (Gold)	≤ 0.100	ppm	< 0.020	ppm
Ba (Barium)	≤ 0.050	ppm	< 0.020	ppm
Bi (Bismuth)	≤ 0.100	ppm	< 0.050	ppm
Ca (Calcium)	≤ 0.500	ppm	< 0.200	ppm
Cd (Cadmium)	≤ 0.050	ppm	< 0.020	ppm
Co (Cobalt)	≤ 0.050	ppm	< 0.020	ppm
Cr (Chromium)	≤ 0.050	ppm	< 0.020	ppm
Cu (Copper)	≤ 0.100	ppm	< 0.020	ppm
Fe (Iron)	≤ 0.100	ppm	< 0.050	ppm
Ga (Gallium)	≤ 0.020	ppm	< 0.010	ppm
In (Indium)	≤ 0.020	ppm	< 0.020	ppm
K (Potassium)	≤ 0.500	ppm	< 0.200	ppm
Li (Lithium)	≤ 0.020	ppm	< 0.010	ppm
Mg (Magnesium)	≤ 0.100	ppm	< 0.050	ppm
Mn (Manganese)	≤ 0.050	ppm	< 0.020	ppm
Mo (Molybdenum)	≤ 0.050	ppm	< 0.020	ppm
Na (Sodium)	≤ 0.500	ppm	< 0.200	ppm
Ni (Nickel)	≤ 0.050	ppm	< 0.020	ppm
Pb (Lead)	≤ 0.050	ppm	< 0.020	ppm
Pt (Platinum)	≤ 0.100	ppm	< 0.020	ppm
Sn (Tin)	≤ 0.100	ppm	< 0.020	ppm
Sr (Strontium)	≤ 0.100	ppm	< 0.100	ppm
Ti (Titanium)	≤ 0.100	ppm	< 0.050	ppm
Tl (Thallium)	≤ 0.050	ppm	< 0.010	ppm
Zn (Zinc)	≤ 0.100	ppm	< 0.050	ppm
Substances reducing potassium permanganate (as O)	≤ 5	ppm	< 5	ppm
Residue on ignition (as SO ₄)	≤ 10	ppm	< 10	ppm
Non volatile matter	≤ 10	ppm	< 10	ppm

Date of release (DD.MM.YYYY) 10.10.2016
Minimum shelf life (DD.MM.YYYY) 31.10.2021

Certificate of Analysis List

For request number 938344

Catalog Number Entered	Lot Number Entered	Related Catalog Number	Related Lot Code	Description
2608450 Ampules	7136	N/A	N/A	m-ColiBlue24® Broth Plastic
2608450 Ampules	7171	N/A	N/A	m-ColiBlue24® Broth Plastic
2608450 Ampules	7195	N/A	N/A	m-ColiBlue24® Broth Plastic
2947553 Reagent	7121	N/A	N/A	SPADNS2 (Arsenic-Free) Fluoride
2947553 Reagent	7152	N/A	N/A	SPADNS2 (Arsenic-Free) Fluoride
2106769	7101	N/A	N/A	SulfaVer ® 4 Sulfate Reagent
2106769	7186	N/A	N/A	SulfaVer ® 4 Sulfate Reagent
2106769	7203	N/A	N/A	SulfaVer ® 4 Sulfate Reagent
2106769	7152	N/A	N/A	SulfaVer ® 4 Sulfate Reagent
2760345 Test	7220	2760345	7220	Low Range Total Organic Carbon (TOC)
2789510	7199	2760345	7220	Low Range TOC Indicator Ampules
2789510	7215	2760345	7220	Low Range TOC Indicator Ampules
2789510	7226	2760345	7220	Low Range TOC Indicator Ampules
2790166	7145	2760345	7220	TOC Persulfate
2790166	7200	2760345	7220	TOC Persulfate
45233	7186	2760345	7220	Buffer Solution, pH 2.0

Total Enclosures: 16



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Certificate of Analysis

Page 1

COMMODITY: **m-ColiBlue24[®] Broth Plastic Ampules**
 COMMODITY NUMBER: **2608450** MANUFACTURE DATE:
 LOT NUMBER: **A7136** **5/12/2017**

DATE OF ANALYSIS:
5/16/2017

TEST	SPECIFICATIONS	RESULTS
Typical bacterial growth. Blue-purple colonies formed by <i>Escherichia coli</i> (ATCC#25922) and red colonies formed by <i>Enterobacter cloacae</i> (ATCC#13047). Countable number of colonies per plate.	85 to 115 %	113.8 %
pH of the solution	6.8 to 7.2	6.98
Sterile, no viable bacteria are present after incubation at 35 C for 48 hours.	To Pass	Passed

The expiration date is May 12, 2018

Certified by _____

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 Analytical Services Chemist



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COMMODITY: **m-ColiBlue24[®] Broth Plastic Ampules**
 COMMODITY NUMBER: **2608450** MANUFACTURE DATE:
 LOT NUMBER: **A7171** **6/8/2017**

DATE OF ANALYSIS:
6/16/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Typical bacterial growth. Blue-purple colonies formed by Escherichia coli (ATCC#25922) and red colonies formed by Enterobacter cloacae (ATCC#13047). Countable number of colonies per plate.	85 to 115 %	105.0 %
pH of the solution	6.8 to 7.2	7.00
Sterile, no viable bacteria are present after incubation at 35 C for 48 hours.	To Pass	Passed

The expiration date is Jun 8, 2018

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COMMODITY: **m-ColiBlue24[®] Broth Plastic Ampules**
 COMMODITY NUMBER: **2608450** MANUFACTURE DATE:
 LOT NUMBER: **A7195** 7/6/2017

DATE OF ANALYSIS:
 7/10/2017

TEST	SPECIFICATIONS	RESULTS
Typical bacterial growth. Blue-purple colonies formed by <i>Escherichia coli</i> (ATCC#25922) and red colonies formed by <i>Enterobacter cloacae</i> (ATCC#13047). Countable number of colonies per plate.	85 to 115 %	95.9 %
pH of the solution	6.8 to 7.2	6.99
Sterile, no viable bacteria are present after incubation at 35 C for 48 hours.	To Pass	Passed

The expiration date is Jul 6, 2018

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COMMODITY: **SPADNS2 (Arsenic-Free) Fluoride Reagent**
COMMODITY NUMBER: **2947553** MANUFACTURE DATE:
LOT NUMBER: **A7152** **6/6/2017**

DATE OF ANALYSIS:
6/6/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Acidity	4.15 to 4.25 N	4.240 N
Function Test: Concentration of a 1.0 ppm Fluoride standard.	0.9 to 1.1 ppm	0.93 ppm

The expiration date is May 2022

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COMMODITY: **SulfaVer ® 4 Sulfate Reagent**

COMMODITY NUMBER: **2106769**

LOT NUMBER: **A7101**

MANUFACTURE DATE:

4/6/2017

DATE OF ANALYSIS:

4/6/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Turbidity develops in the presence of sulfate.	To Pass	Passed

The expiration date is Apr 2021

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COMMODITY: **SulfaVer ® 4 Sulfate Reagent**

COMMODITY NUMBER: **2106769**

LOT NUMBER: **A7186**

MANUFACTURE DATE:

7/12/2017

DATE OF ANALYSIS:

7/13/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Turbidity develops in the presence of sulfate.	To Pass	Passed

The expiration date is Jun 2021

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COMMODITY: **SulfaVer ® 4 Sulfate Reagent**

COMMODITY NUMBER: **2106769**

LOT NUMBER: **A7203**

MANUFACTURE DATE:

8/6/2017

DATE OF ANALYSIS:

8/7/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Turbidity develops in the presence of sulfate.	To Pass	Passed

The expiration date is Jul 2021

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COMMODITY: **SulfaVer @ 4 Sulfate Reagent**

COMMODITY NUMBER: **2106769**

LOT NUMBER: **A7152**

MANUFACTURE DATE:

5/25/2017

DATE OF ANALYSIS:

5/26/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Turbidity develops in the presence of sulfate.	To Pass	Passed

The expiration date is May 2021

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Page 1

COMMODITY: **Low Range Total Organic Carbon (TOC) Test**
 COMMODITY NUMBER: **2760345** MANUFACTURE DATE:
 LOT NUMBER: **A7220** **8/17/2017**

DATE OF ANALYSIS:
8/21/2017

TEST	SPECIFICATIONS	RESULTS
Function Test: TOC concentration of a 20 ppm C standard solution read against the reagent blank.	19 to 21 ppm	19.3 ppm
Reagent Blank: TOC concentration of a treated deionized water sample compare to a second treated sample.	0 to 0.5 ppm	0.20 ppm

The expiration date is Jan 2019

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COMMODITY: **Low Range TOC Indicator Ampules**

COMMODITY NUMBER: **2789510**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A7199**

7/25/2017

7/25/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	20.3 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.110 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.218 abs

The expiration date is Jan 2019

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COMMODITY: **Low Range TOC Indicator Ampules**

COMMODITY NUMBER: **2789510**

MANUFACTURE DATE:

DATE OF ANALYSIS:

LOT NUMBER: **A7215**

8/3/2017

8/4/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	19.8 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.109 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.214 abs

The expiration date is Jan 2019

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COMMODITY: **Low Range TOC Indicator Ampules**
 COMMODITY NUMBER: **2789510** MANUFACTURE DATE: DATE OF ANALYSIS:
 LOT NUMBER: **A7226** 8/15/2017 8/15/2017

TEST	SPECIFICATIONS	RESULTS
Concentration of a treated 20 mg/L TOC standard solution.	19 to 21 mg/L	19.6 mg/L
Absorbance of the solution in a one cm cell measured at 598.0 nm vs. deionized water.	2.09 to 2.13 abs	2.114 abs
Absorbance of the solution in a one cm cell measured at 430.0 nm vs. deionized water.	0 to 0.25 abs	0.211 abs

The expiration date is Feb 2019

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COMMODITY: **TOC Persulfate**
COMMODITY NUMBER: **2790166**
LOT NUMBER: **A7145**

MANUFACTURE DATE:
5/24/2017

DATE OF ANALYSIS:
5/26/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
The difference in the average absorbance between HR TOC Acid Digest Reagent TNT vials with persulfate and those without measured at 598 nm.	0 to 0.1 abs	0.04 abs

The expiration date is May 2022

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Analytical Services Chemist

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COMMODITY: **TOC Persulfate**
COMMODITY NUMBER: **2790166**
LOT NUMBER: **A7200**

MANUFACTURE DATE:
7/14/2017

DATE OF ANALYSIS:
7/21/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
The difference in the average absorbance between HR TOC Acid Digest Reagent TNT vials with persulfate and those without measured at 598 nm.	0 to 0.1 abs	0.02 abs

The expiration date is Jul 2022

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COMMODITY: **Buffer Solution, pH 2.0**

COMMODITY NUMBER: **45233**

LOT NUMBER: **A7186**

MANUFACTURE DATE:

7/11/2017

DATE OF ANALYSIS:

7/13/2017

<i>TEST</i>	<i>SPECIFICATIONS</i>	<i>RESULTS</i>
pH of a 1:30 dilution	1.9 to 2.1	1.95

The expiration date is Jun 2022

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Scott Als
Analytical Services Chemist



Certificate of Analysis

1.18463.0002 Nitrite Test Refill pack for 114774, 114424, 114408 MColortest™
Batch HC604441

Batch Values

Application test conforms

Date of release (DD.MM.YYYY) 12.10.2016
Minimum shelf life (DD.MM.YYYY) 30.09.2019

Peter Unglaube
Responsible laboratory manager quality control

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1.18463.0002 Nitrite Test Refill pack for 114774, 114424, 114408 MColortest™
Batch HC720972

Batch Values

Application test conforms

Date of release (DD.MM.YYYY) 12.04.2017
Minimum shelf life (DD.MM.YYYY) 31.03.2020

Peter Unglaube
Responsible laboratory manager quality control

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1.06395.0050 Sodium carbonate anhydrous 99.999 Suprapur®
Batch B1455695

	Spec. Values		Batch Values	
Purity (metallic)	≥ 99.999	%	100.000	%
Assay (acidimetric)	≥ 99.5	%	100.3	%
Chloride (Cl)	≤ 10	ppm	< 10	ppm
Phosphate (PO ₄)	≤ 0.05	ppm	≤ 0.05	ppm
Silicate (SiO ₂)	≤ 5	ppm	< 2	ppm
Sulphate (SO ₄)	≤ 10	ppm	< 5	ppm
Al (Aluminium)	≤ 0.05	ppm	< 0.01	ppm
As (Arsenic)	≤ 0.1	ppm	≤ 0.1	ppm
Ba (Barium)	≤ 5.0	ppm	< 0.5	ppm
Ca (Calcium)	≤ 0.10	ppm	0.03	ppm
Cd (Cadmium)	≤ 0.005	ppm	< 0.001	ppm
Ce (Cerium)	≤ 0.010	ppm	< 0.005	ppm
Co (Cobalt)	≤ 0.005	ppm	< 0.001	ppm
Cr (Chromium)	≤ 0.010	ppm	0.006	ppm
Cu (Copper)	≤ 0.005	ppm	< 0.005	ppm
Eu (Europium)	≤ 0.010	ppm	< 0.002	ppm
Fe (Iron)	≤ 0.05	ppm	< 0.01	ppm
Hg (Mercury)	≤ 0.05	ppm	≤ 0.05	ppm
K (Potassium)	≤ 1.0	ppm	< 0.5	ppm
La (Lanthanum)	≤ 0.010	ppm	< 0.005	ppm
Li (Lithium)	≤ 0.5	ppm	< 0.2	ppm
Mg (Magnesium)	≤ 0.10	ppm	< 0.01	ppm
Mn (Manganese)	≤ 0.010	ppm	< 0.002	ppm
Ni (Nickel)	≤ 0.020	ppm	0.006	ppm
Pb (Lead)	≤ 0.010	ppm	< 0.005	ppm
Sc (Scandium)	≤ 0.010	ppm	< 0.005	ppm
Sm (Samarium)	≤ 0.010	ppm	< 0.005	ppm
Sr (Strontium)	≤ 0.10	ppm	< 0.10	ppm
Tl (Thallium)	≤ 0.01	ppm	≤ 0.01	ppm
Y (Yttrium)	≤ 0.010	ppm	< 0.005	ppm
Yb (Ytterbium)	≤ 0.010	ppm	< 0.002	ppm
Zn (Zinc)	≤ 0.010	ppm	< 0.005	ppm

Date of release (DD.MM.YYYY) 24.05.2017
Minimum shelf life (DD.MM.YYYY) 31.05.2022

Evelyn Allmann
Responsible laboratory manager quality control

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Certificate of Analysis

1.06516.1000 Sodium thiosulfate pentahydrate for analysis EMSURE® ACS,ISO,
Reag. Ph Eur
Batch A0836616

	Spec. Values		Batch Values	
Assay (iodometric)	99.5 - 101.0	%	99.9	%
Identity	passes test		passes test	
Appearance of solution	passes test		passes test	
Insoluble matter	≤ 0.005	%	≤ 0.005	%
pH-value (5 %, water, 25 °C)	6.0 - 7.5		6.5	
pH-value (10 %, water)	6.0 - 7.5		6.6	
Chloride (Cl)	≤ 0.008	%	≤ 0.008	%
Sulfate and sulphite (as SO ₄)	≤ 0.1	%	≤ 0.1	%
Sulfide (S)	passes test		passes test	
Heavy metals (as Pb)	≤ 0.001	%	≤ 0.001	%
Total nitrogen (N)	≤ 0.002	%	≤ 0.002	%
Ca (Calcium)	≤ 0.002	%	≤ 0.002	%
Cu (Copper)	≤ 0.0005	%	≤ 0.0005	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
K (Potassium)	≤ 0.001	%	≤ 0.001	%
Mg (Magnesium)	≤ 0.001	%	≤ 0.001	%
Pb (Lead)	≤ 0.0005	%	≤ 0.0005	%

Corresponds to ACS, ISO, Reag. Ph Eur

Date of release (DD.MM.YYYY) 16.04.2015
Minimum shelf life (DD.MM.YYYY) 30.04.2018

Dr. Matthias Ohm
Responsible laboratory manager quality control

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Certificate of Analysis

1.08419.1000 Titriplex® solution A for the determination of alkaline earth metals in water 1 ml \pm 56 mg CaO/l using 100 ml of water

Batch HC69800019

1 ml of reagent is equivalent to 5,6 degree German hardness when using 100 ml of water.
1°d \pm 10 mg CaO/l

	Spec. Values		Batch Values	
Efficiency value	5.57 - 5.63	°dH	5.60	°dH

Determination method: Complexometric titration.

The efficiency value of this solution was determined with volumetric standard calcium carbonate (article number 1.02410). The expanded measurement uncertainty is \pm 0.7 % ($k=2$ coverage factor for 95% coverage probability). The certified value is traceable to primary standard NIST SRM 682 (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard calcium carbonate, measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Date of release (DD.MM.YYYY) 01.07.2016

Minimum shelf life (DD.MM.YYYY) 30.06.2019

Ayfer Yildirim

Responsible laboratory manager quality control

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Certificate of Analysis

1.14424.0001 Nitrite Test Method: colorimetric with color card and comparator block with short test tubes 0.1-0.2-0.3-0.4-0.6-0.8-1.0-1.3-2.0 mg/l NO₂⁻
0.03-0.06-0.09-0.12-0.18-0.24-0.3-0.4-0.6 mg/l NO₂-N MColoritest™
Batch HC694157

Batch Values

Application test conforms

Date of release (DD.MM.YYYY) 09.08.2016
Minimum shelf life (DD.MM.YYYY) 30.06.2019

Peter Unglaubs
Responsible laboratory manager quality control

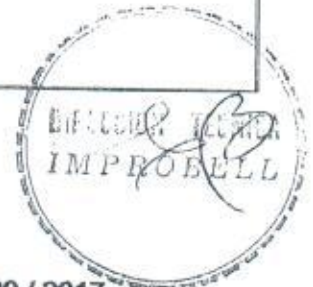
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CERTIFICADO DE CONTROL ANALÍTICO
EXTRAN MA 02 NEUTRO

PRODUCTO EXTRAN MA 02 NEUTRO	PRESENTACIÓN: 5 LITROS	FECHA FABRICACIÓN: 2017 /06 / 16
	TAMAÑO LOTE: 1760 L	LOTE: 17Q530505

DESCRIPCIÓN PRODUCTO	CARACTERÍSTICAS EXIGIDAS	CARACTERÍSTICAS REALES
ASPECTO	LIQUIDO TRANSPARENTE LIGERAMENTE TURBIO	CUMPLE
COLOR	INCOLORO O LEVEMENTE AMARILLO	CUMPLE
OLOR	CARACTERISTICO	CUMPLE
SOLUBILIDAD	EN AGUA - SOLUBLE EN CUALQUIER PROPORCION	CUMPLE
pH 5% V/V	6 - 8	7.45 5% V/V
DENSIDAD	1.057 - 1.067 G/ML	1.057 g/ml
CONTENIDO Fe	NEGATIVO	CUMPLE
CONTENIDO FOSFATO	7.0 - 7.1 %	7.0 %
ALCALINIDAD LIBRE	0.17 - 0.19 %	0.18%
IDENTIDAD P Y Na	CUMPLE	CUMPLE
VOLUMEN DE ESPUMA: 15 ML DE SOL AL 5% AGITADO EN PROBETA DE 100 ML 1 MIN Y DEJAR EN REPOSO 1 MIN Y LEER VOLUMEN	MINIMO 80 ML	CUMPLE
FECHA VENCIMIENTO	JUNIO / 30 / 2022	
OBSERVACIONES:		



ANALIZADO POR:



FECHA ANÁLISIS JUNIO / 20 / 2017

