

# GRAVIMETRIC CERTIFICATE

## General Product Data:

Product Name: ISO 17353 Internal Standard OC, Stock Solution A

Product No.: S-4380-K-ME

## Batch Specific Data:

Batch No.: 14 258

### Product description:

Compound	Prod.no.	CAS no.	Batch no.	Purity	OC conc.	OTC conc.
Monobutyltin trichloride	1983.4	1118-46-3	12978	> 99.5 %	1.00 mg/mL	1.61 mg/mL
Di-n-butyltin dichloride	1982.8	683-18-1	5066	> 99.5 %	1.00 mg/mL	1.31 mg/mL
Tri-n-butyltin chloride	1981.12	1461-22-9	5064	99 %	1.00 mg/mL	1.12 mg/mL
Tetra-n-butyltin	2497.16	1461-25-2	12 017	95 %	1.00 mg/mL	1.00 mg/mL
Mono-n-octyltin trichloride	2487.8	3091-25-6	10 190	95 %	1.01 mg/mL	1.48 mg/mL
Di-n-octyltin dichloride	2488.16	3542-36-7	12 728	97 %	0.99 mg/mL	1.20 mg/mL
Triphenyltin chloride	1985.18	639-58-7	13 298	> 99.5 %	1.02 mg/mL	1.12 mg/mL
Tricyclohexyltin chloride	2489.18	3091-32-5	9590	97 %	1.00 mg/mL	1.10 mg/mL

*The gravimetric concentrations have not been adjusted for compound impurities.*

OTC – Organotin compound - substance with at least one Sn-C bond

OC – Organotin cation - part of the organotin compound that contains all Sn-C bonds (and which is formally loaded)

Solvent: Methanol, Ultra resi-analyzed, Batch 1211000065  
Purity: 99.8 %, Density: 0.7914 g/mL

Tolerance: The uncertainty in the preparation of this standard is less than  $\pm 5 \%$   
(maximum combined uncertainty of purity, weights and volumes)

Volume: 1.1 mL

Storage: Dark and cool  
Before opening allow the standard to reach room temperature.

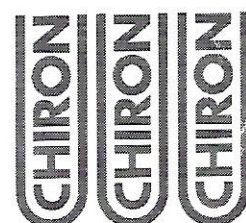
Expiry date: 08 May 2015

All weights and volumes are traceable to NIST

Trondheim, 08 January 2015

Issued by:

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