

# GRAVIMETRIC CERTIFICATE

## General Product Data:

Product Name: Organo Tin Standard Mixture

Product No.: S-4335-K-ME

## Batch Specific Data:

Batch No.: 13 992

### Product description:

Compound	Prod.no.	CAS no.	Batch no.	Purity	Grav. conc.
Monobutyltin trichloride	1983.4	1118-46-3	12 978	> 99.5 %	1.0 mg/mL
Di-n-butyltin dichloride	1982.8	683-18-1	5066	> 99.5 %	1.0 mg/mL
Monophenyltin trichloride	1987.6	1124-19-2	13 915	99.5 %	1.0 mg/mL
Tri-n-butyltin chloride	1981.12	1461-22-9	5064	99 %	1.0 mg/mL
Triphenyltin chloride	1985.18	639-58-7	13 298	> 99.5 %	1.0 mg/mL
Diphenyltin dichloride	1986.12	1135-99-5	6030	98 %	1.0 mg/mL

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

Solvent: Methanol, Ultra resi-analyzed, LOT 1327700015  
Purity: > 99.9 %, 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 (Argon flushed)

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

Expiry date: 09 September 2014

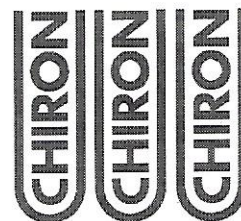
All weights and volumes are traceable to NIST

Trondheim, 09 May 2014

Issued by:



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