

Certificate of Analysis

Reference Material & Standard

Product Name:	Organotin Mix 13	Catalogue Number:	MOTI111613-ME
Appearance:	Colourless Liquid	Lot Number:	0513-RF-0015
Solvent:	Methanol	Storage:	-20°C±5°C Protected from light and Sealed
Expiry Date:	May 08, 2027		
Chemical Structure:	N/A		

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	Tetrabutyltin	1461-25-2	998.8	5
2	Methyltin Trichloride	993-16-8	996.9	5
3	n-Butyltin trichloride	1118-46-3	999.0	5
4	Dibutyltin-Dichloride	683-18-1	991.5	5
5	Trioctyltin Chloride	2587-76-0	1005.8	5
6	Tbtc (Tributyltin Chloride)	1461-22-9	1000.1	5
7	N-Octyltin-Trichloride	3091-25-6	1002.1	5
8	Tricyclohexyltin Chloride	3091-32-5	999.8	5
9	Triphenyltin Chloride	639-58-7	1003.7	5
10	Di-N-Octyltin-Dichloride	3542-36-7	994.5	5
11	Dimethyltin Dichloride	753-73-1	1007.1	5
12	Diphenyltin Dichloride	1135-99-5	999.5	5
13	Di-N-Propyltin-Dichloride	867-36-7	1002.2	5

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Hin Lam

Aporoved by General Manager:

David

Date: May 14, 2024

Date: May 15, 2024

Date: May 15, 2024

