

Organotin Calibrants

Organotin compounds and calibrants have been prepared at the Vrije Universiteit Amsterdam (Department of Organic Chemistry and the Institute for Environmental Studies), and are now available again.

The final purity was checked by elemental analysis, by ¹H and ¹³C NMR, and where possible also by GC-MS. Information on the preparation and purity assessment will be provided with the materials.

The compounds are sold as pure solids or liquids, or as calibrant solutions with a known concentration, and are sealed in ampoules. Pure compounds are available in 0.5g amounts, stored under dry, inert atmosphere in screw-cap vials. Calibrant solutions (nominal concentrations typically 1%) are sealed in brown glass ampoules containing approximately 2 ml of solution.

Users are advised that degradation of the materials can occur upon opening.

The price of each compound sold as pure solid/liquid is 200 Euro. The price of calibrant solutions is 125 Euro each. There is a 70 Euro charge for shipping and handling each order. VAT will be charged where applicable. The materials will be shipped within three weeks of receipt of the order.

Organotins: Pure solids or liquids

	Formulae	Code
Monobutyltin trichloride ^a	(n-butyl) Sn Cl ₃	01 SL
Dibutyltin dichloride ^a	(n-butyl) ₂ SnCl ₂	02SL
Tributyltin monochloride ^a	(n-butyl) ₃ Sn Cl	03SL
Tributyltin acetate ^b	(n-butyl) ₃ SnOCOCH ₃	04SL
Monophenyltin chloride ^a	Phenyl Sn Cl ₃	05SL
Diphenyltin chloride ^b	Phenyl ₂ Sn Cl ₂	06SL
Triphenyltin chloride ^a	Phenyl ₃ Sn Cl	07SL
Triphenyltin acetate ^a	Phenyl ₃ Sn OCOCH ₃	08SL
Tripropyltin-pentyl ^a	(n-propyl) ₃ Sn (n-pentyl)	09SL
Tricyclohexyltin-pentyl ^a	(cyclohexyl) ₃ Sn (n-pentyl)	10SL
Tricyclohexyltin-ethyl ^a	(cyclohexyl) ₃ Sn ethyl	11SL
Tetrapentyltin ^c	Sn(n-pentyl) ₄	12SL

^aPurity >99% ^bPurity >98% ^cPurity >99.5%

Organotins: Calibrant solutions

	Conc. mg/ml	Formulae	Code
Monobutyltin-pentyl ^b	10.1	(n-butyl) Sn (n-pentyl) ₃	01SS
Dibutyltin-pentyl ^a	10.1	(n-butyl) ₂ Sn (n-pentyl) ₂	02SS
Tributyltin-pentyl ^b	10.0	(n-butyl) ₃ Sn (n-pentyl)	03SS
Monophenyltin -pentyl ^b	10.2	phenyl Sn (n-pentyl) ₃	04SS
Diphenyltin-pentyl ^b	10.0	phenyl ₂ Sn (n-pentyl) ₂	05SS
Triphenyltin-pentyl ^a	10.1	phenyl ₃ Sn (n-pentyl)	06SS
Monobutyltin-ethyl ^a	10.2	(n-butyl) Sn ethyl ₃	07aSS
Dibutyltin-ethyl ^a	10.4	(n-butyl) ₂ Sn (ethyl) ₂	08aSS
Tributyltin-ethyl ^b	10.2	(n-butyl) ₃ Sn ethyl	09aSS
Monophenyltin-ethyl ^a	10.4	phenyl Sn (ethyl) ₃	10SS
Diphenyltin-ethyl ^a	10.1	phenyl ₂ Sn (ethyl) ₂	11SS
Triphenyltin-ethyl ^b	1.04	phenyl ₃ Sn ethyl	12aSS

^aPurity >99% ^bPurity >98% ^cPurity >99.5%
Concentrations as mg/ml (total molecular weights)
Solvent: hexane (Promochem)

Please complete this order form stating your requirements and details, and fax it to the Institute for Environmental Studies.

Code	Quantity	Cost Euro
Organotins: Pure solids or liquids		
QSN001SL		
QSN002SL		
QSN003SL		
QSN004SL		
QSN005SL		
QSN006SL		
QSN007SL		
QSN008SL		
QSN009SL		
QSN010SL		
QSN011SL		
QSN012SL		
Organotins: Calibrant solutions		
QSN001SS		
QSN002SS		
QSN003SS		
QSN004SS		
QSN005SS		
QSN006SS		
QSN007aSS		
QSN008aSS		
QSN009aSS		
QSN010SS		
QSN011SS		
QSN012aSS		
Handling		70
Total		

Name:
Laboratory:
Address:

Tel:
Fax:
Email:
QUASIMEME Lab Code:
Date:
VAT number:

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Quality support to environmental analysis

ORGANOTIN CALIBRANTS