

Certificate of Analysis

Reference Material & Standard

Product Name: Fenbutatin Oxide

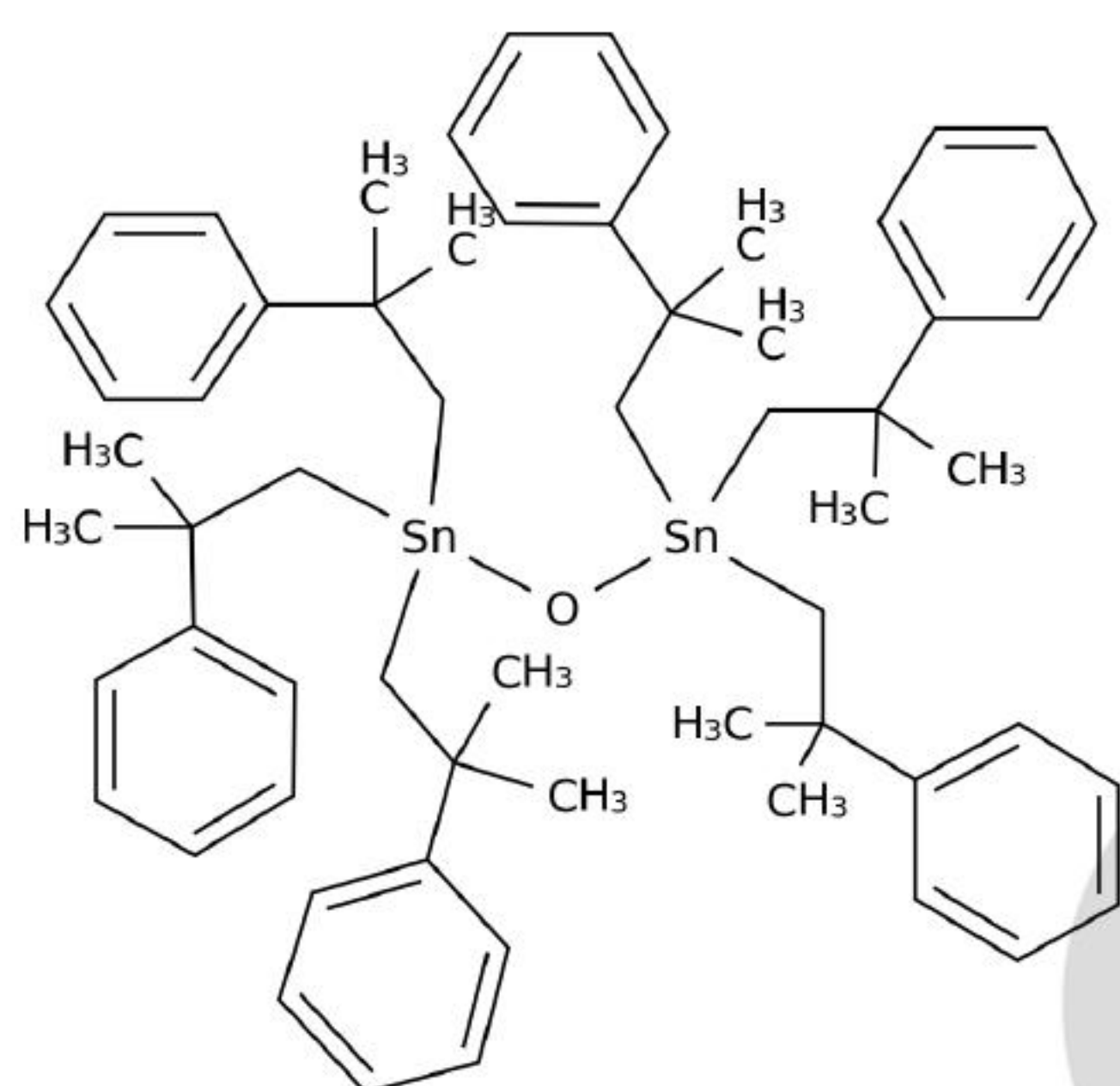
Synonyms: N/A

CAS Number: 13356-08-6

Molecular Formula: C₆₀H₇₈OSn₂

Molecular Weight: 1052.68

Chemical Structure:



Catalogue Number: CCPD100396

Lot Number: 0920-RE-0040

Expiry Date: Sep 19, 2027

Storage: 2°C ~ 8°C Protected from light and Sealed

Warning:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.0795%
Assay		99.9%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

2. 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:

Prepared by:

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Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 20, 2023

Date: Sep 21, 2023

Date: Sep 21, 2023

