

Certificate of Analysis

Reference Material & Standard

Product Name:	Trityl Chloride	Catalogue Number:	CCHM703128
Synonyms:	N/A	Lot Number:	0611-RF-0088
CAS Number:	76-83-5	Expiry Date:	Jun 10, 2028
Molecular Formula:	C ₁₉ H ₁₅ Cl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	278.78		

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.188%
Loss on Drying	TGA	0.1764%
Assay		99.0%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance 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.
- 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 11, 2024

Date: Jun 12, 2024

Date: Jun 12, 2024



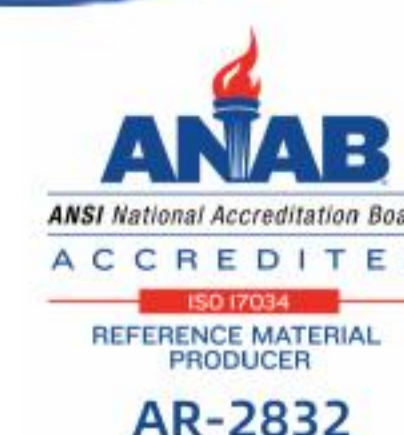
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