

Certificate of Analysis

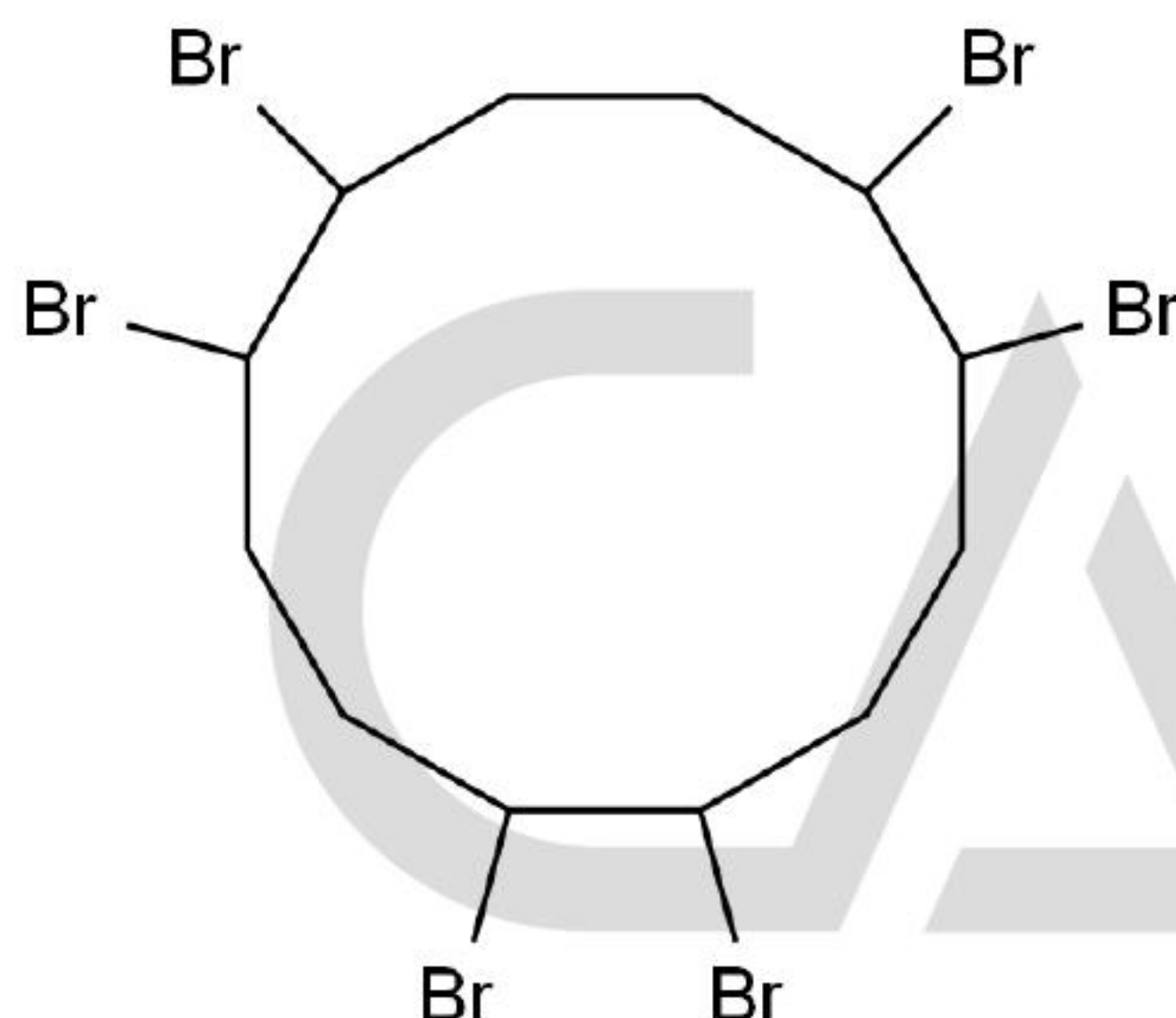
Reference Material & Standard

Product Name:	1,2,5,6,9,10-Hexabromocyclododecane(Mixture of Isomers)	Catalogue Number:	CCEM500027
Synonyms:	N/A	Lot Number:	0314-RA-0006
CAS Number:	3194-55-6	Expiry Date:	Apr 23, 2028
Molecular Formula:	C ₁₂ H ₁₈ Br ₆	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	641.70	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	GC	97.943%
Loss on Drying	TGA	0.0619%
Assay		97.9%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.

Mixture of isomers.

2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity GC (%) / 100%

Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.

3. 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:

Debia

Reviewed by:

Xenia

Approved by General Manager:

David

Date: Apr 24, 2022

Date: Apr 25, 2022

Date: Apr 25, 2022

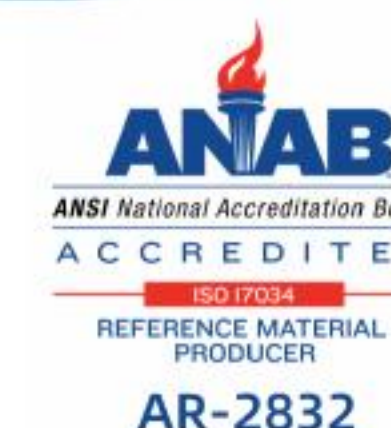
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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