

Certificate of Analysis

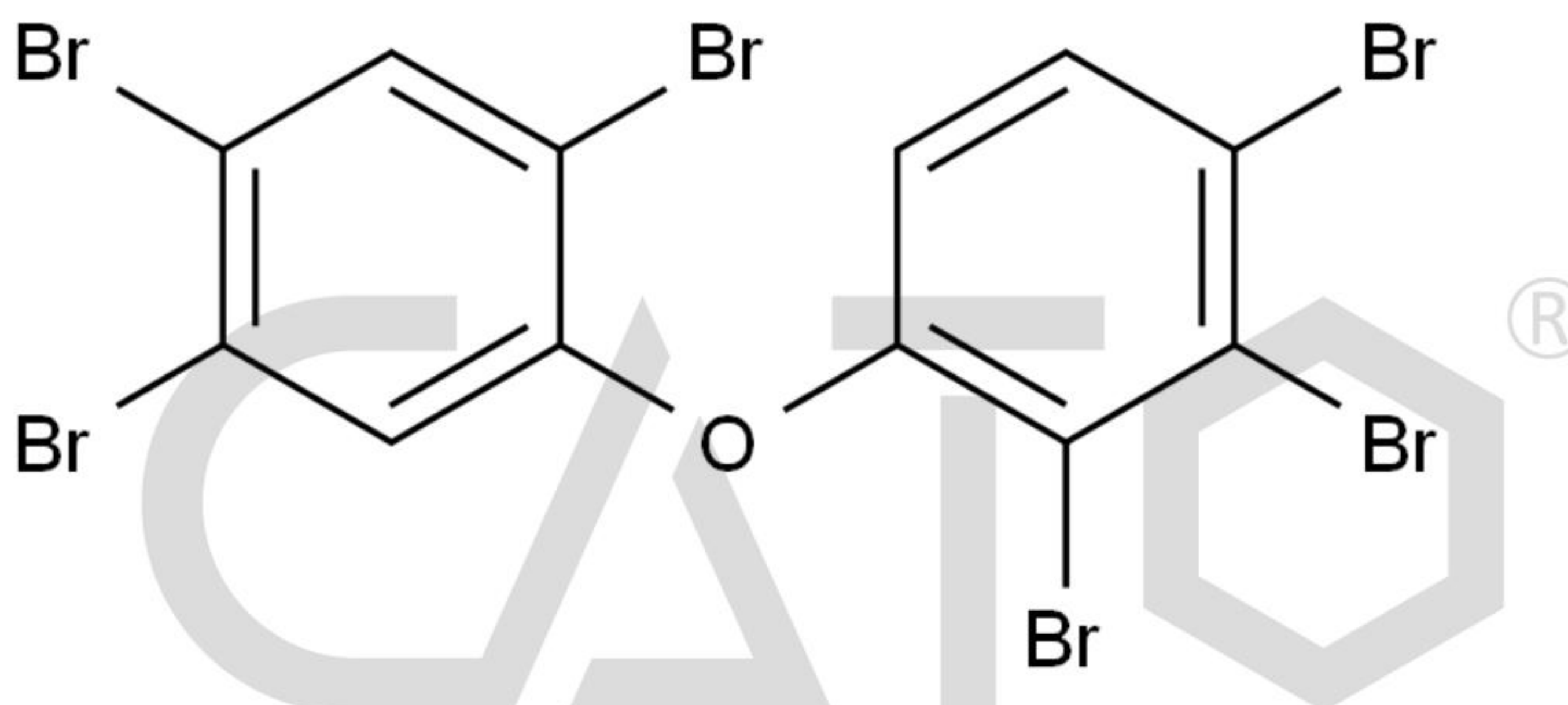
Reference Material & Standard

Product Name:	2,2',3,4,4',5'-Hexabromodiphenyl Ether	Catalogue Number:	CCEM501859
Synonyms:	N/A	Lot Number:	0529-RE-0006
CAS Number:	182677-30-1	Expiry Date:	May 23, 2026
Molecular Formula:	C ₁₂ H ₄ Br ₆ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	643.58	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	GCMS&IR&HNMR	Confirmed
Purity	HPLC	98.9593%
Water Content	Karl Fischer	0.0%
Residual Solvents	NMR	0.1% ethyl acetate
Assay		98.9%
Uncertainty		±2.0%

Comment:

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

$Assay (\%) = (100\% - Water\ Content - Residual\ Solvents) * Purity\ HPLC (\%) / 100\%$

Water Content and Residual Solvents are 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:

Lisa

Reviewed by:

Xenia

Approved by General Manager:

David

Date: May 24, 2023

Date: Jun 01, 2023

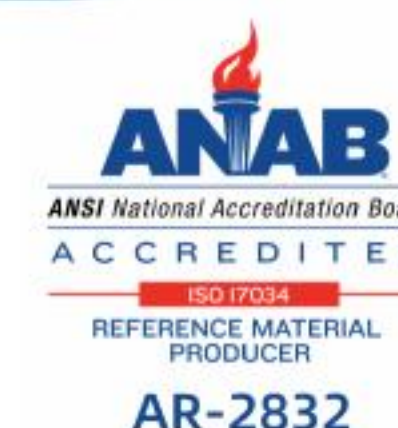
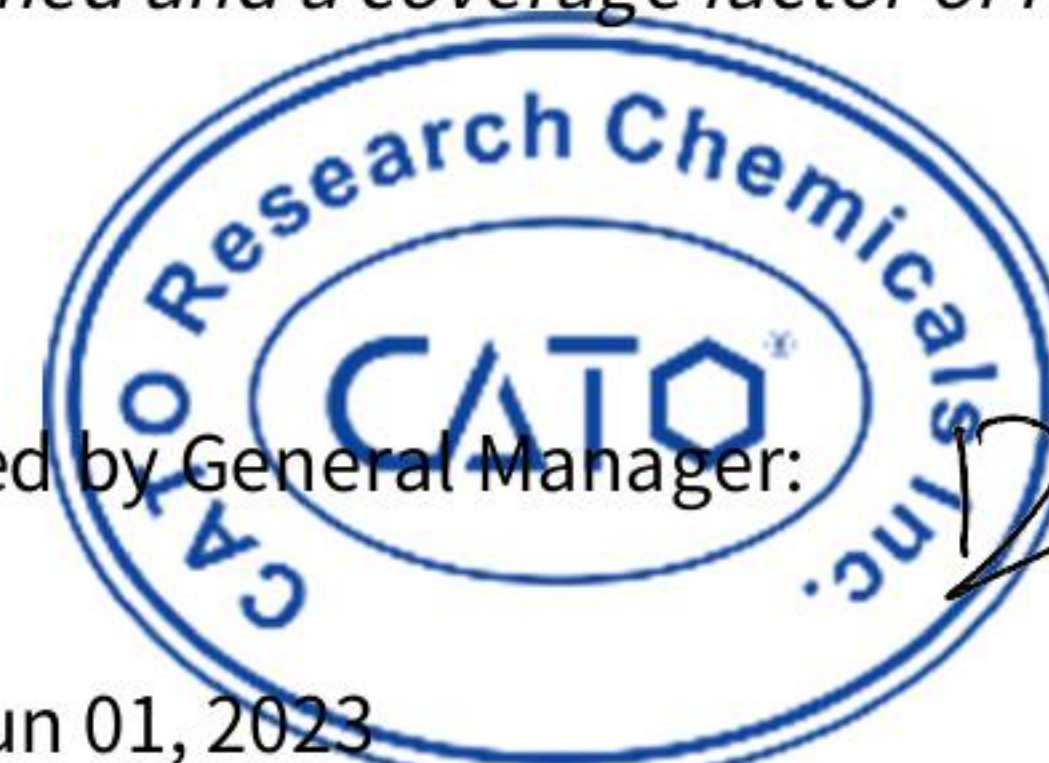
Date: Jun 01, 2023

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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