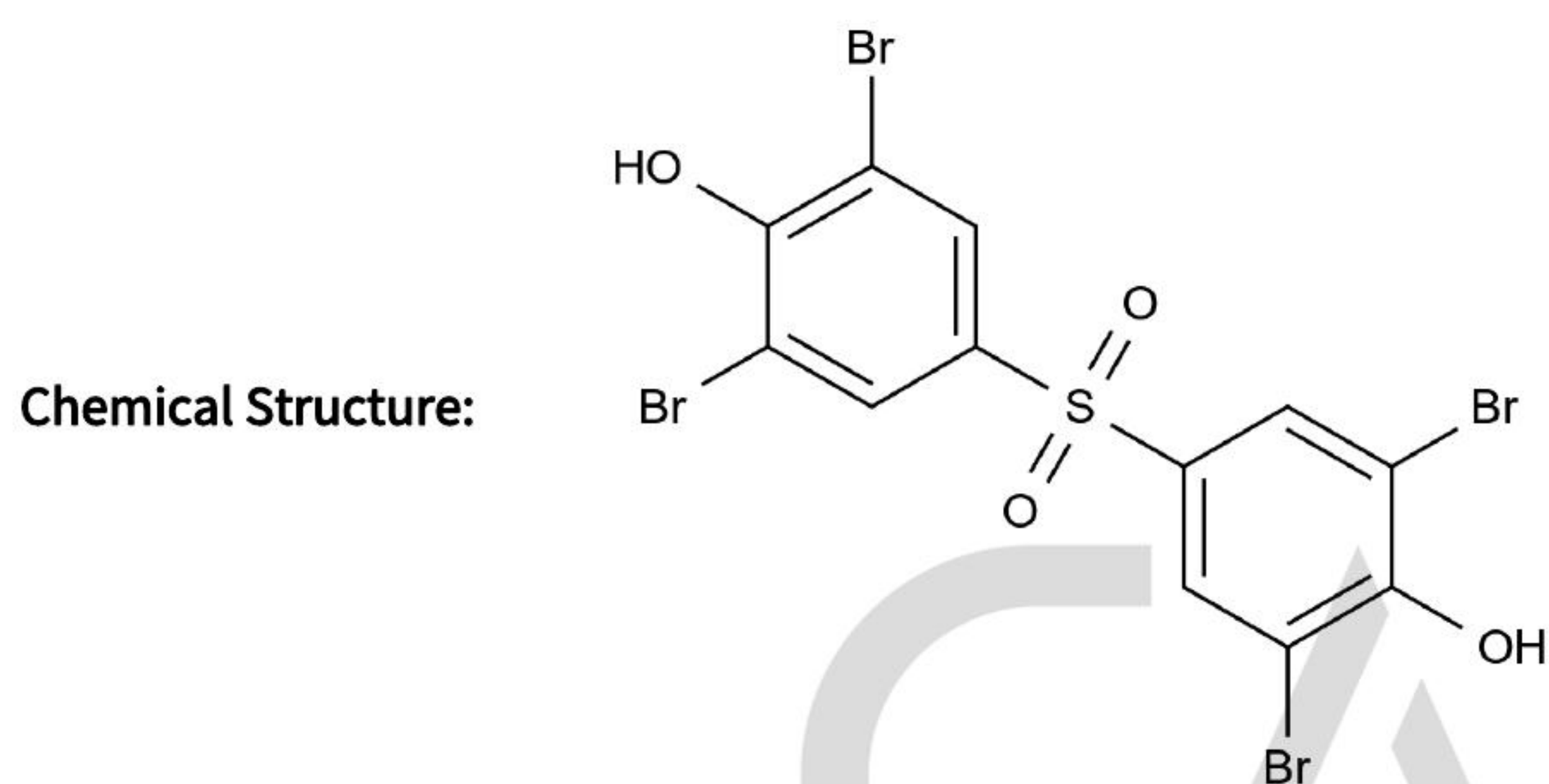


Certificate of Analysis

Reference Material

Product Name:	Tetrabromobisphenol S	Catalogue Number:	CCHM704193
Chemical Name:	N/A	Lot Number:	0713-RD-0001
CAS Number:	39635-79-5	Expiry Date:	Jul 17, 2026
Molecular Formula:	C ₁₂ H ₆ Br ₄ O ₄ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	565.85		



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.118%
Loss On Drying	TGA	0.0139%
Assay		96.1%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

Assay (%) = (100% - Loss On Drying) * 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:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jul 18, 2022

Date: Jul 18, 2022

Date: Jul 18, 2022

