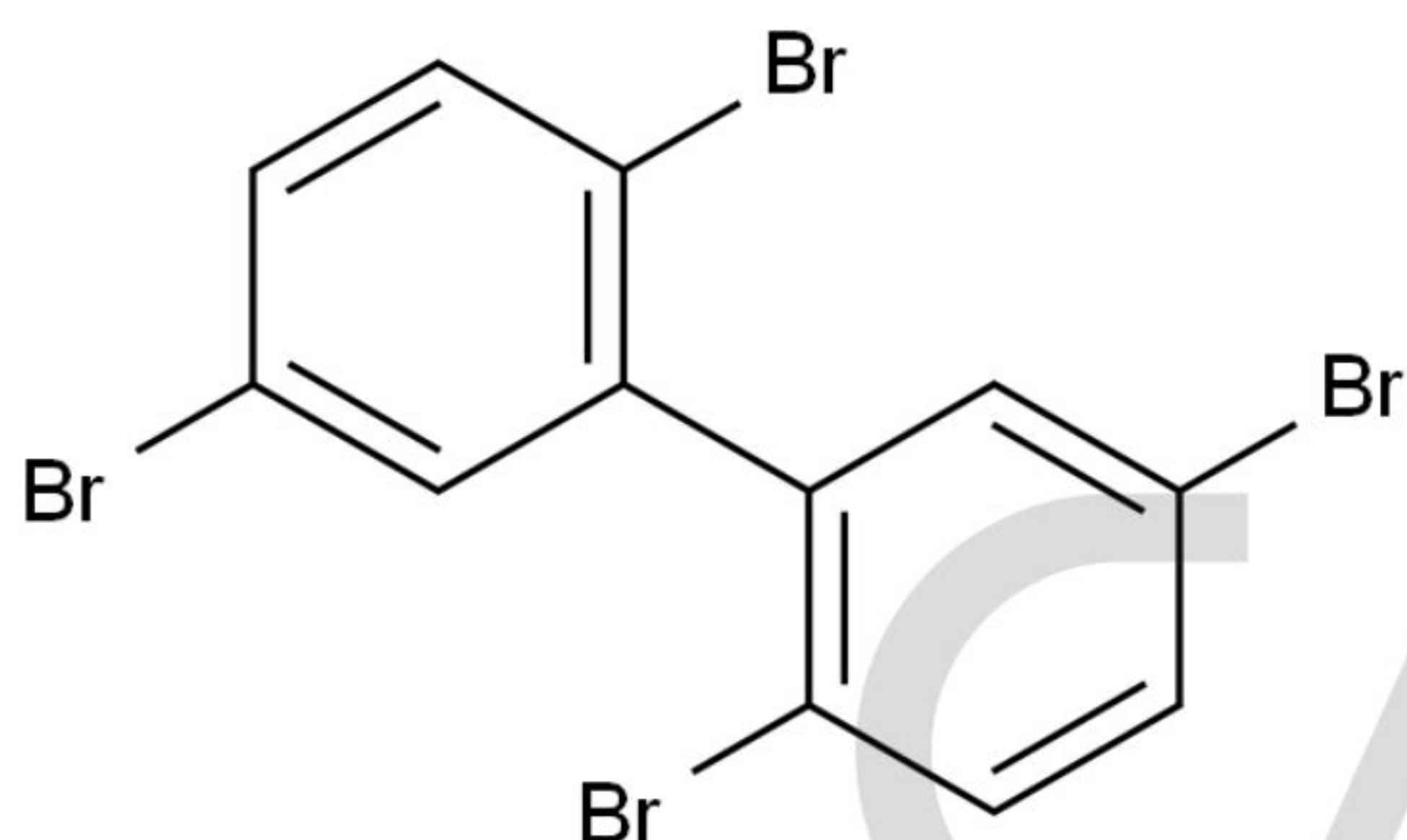


Certificate of Analysis

Reference Material & Standard

Product Name:	PBB No. 52	Catalogue Number:	CWLT600242
Synonyms:	N/A	Lot Number:	0807-RE-0059
CAS Number:	59080-37-4	Expiry Date:	Sep 18, 2028
Molecular Formula:	C ₁₂ H ₆ Br ₄	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	469.79		
Chemical Structure:			



Warning:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	GC	98.71%
Water Content	Karl Fischer	0.31%
Assay		98.4%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content 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:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Aug 08, 2023

Date: Aug 09, 2023

Date: Aug 09, 2023

