

Certificate of Analysis

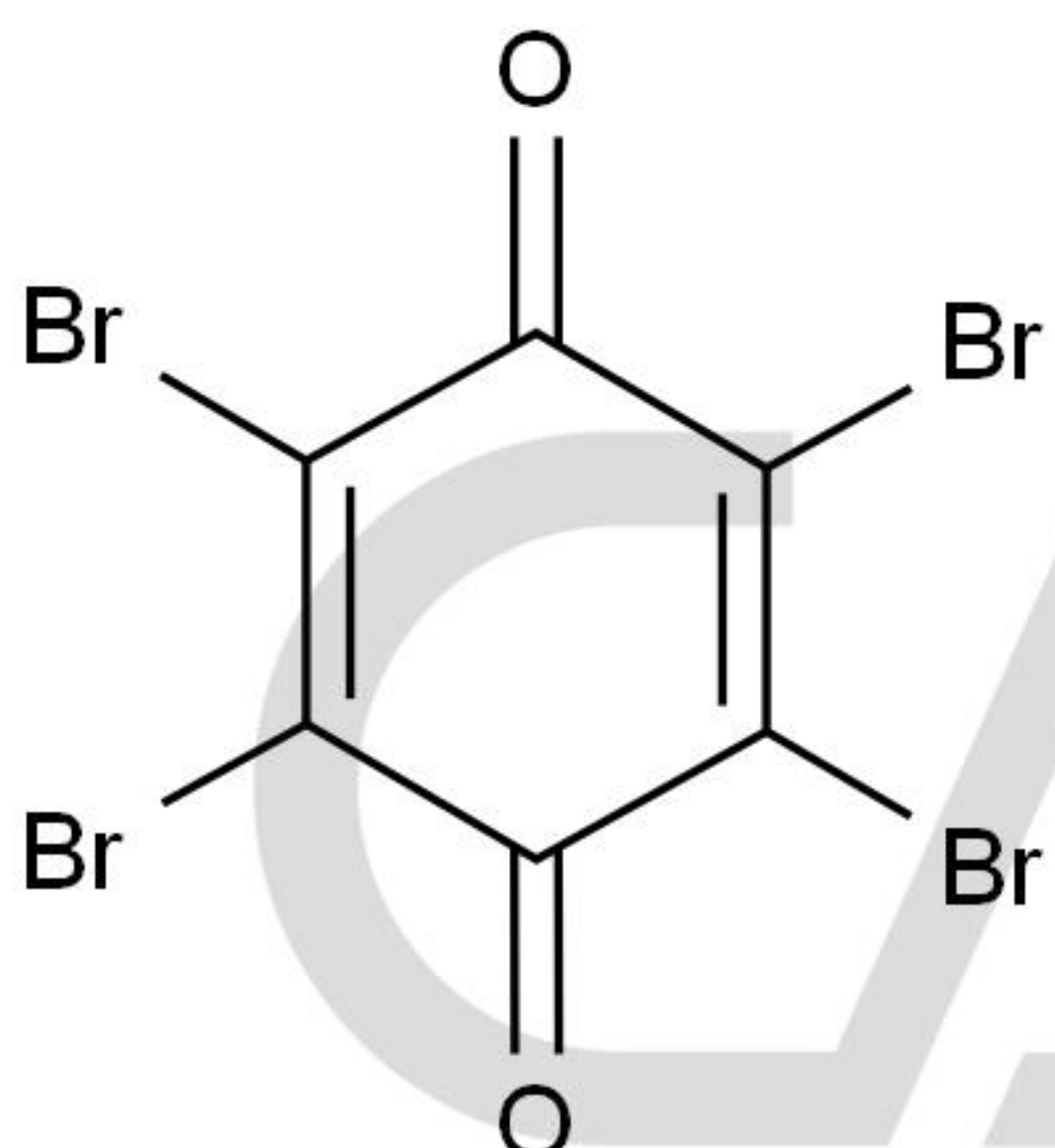
Reference Material & Standard

Product Name:	Bromanil	Catalogue Number:	CCHM703314
Synonyms:	N/A	Lot Number:	0822-RD-0009
CAS Number:	488-48-2	Expiry Date:	Aug 24, 2025
Molecular Formula:	C ₆ Br ₄ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	423.68		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Powder
Identification	GCMS&CNMR	Confirmed
Purity	GC	100.000%
Loss on Drying	TGA	0.0250%
Assay		100.0%
Uncertainty		±2.0%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity GC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, GC 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

Approved by General Manager:

David

Date: Aug 25, 2022

Date: Aug 25, 2022

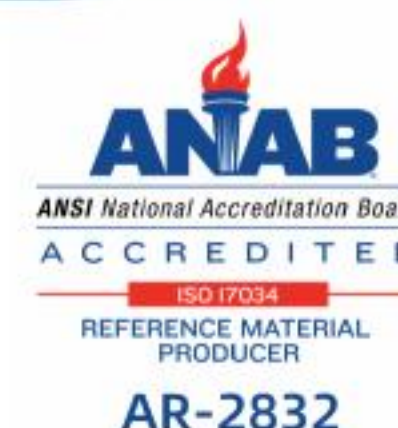
Date: Aug 25, 2022

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