

Certificate of Analysis

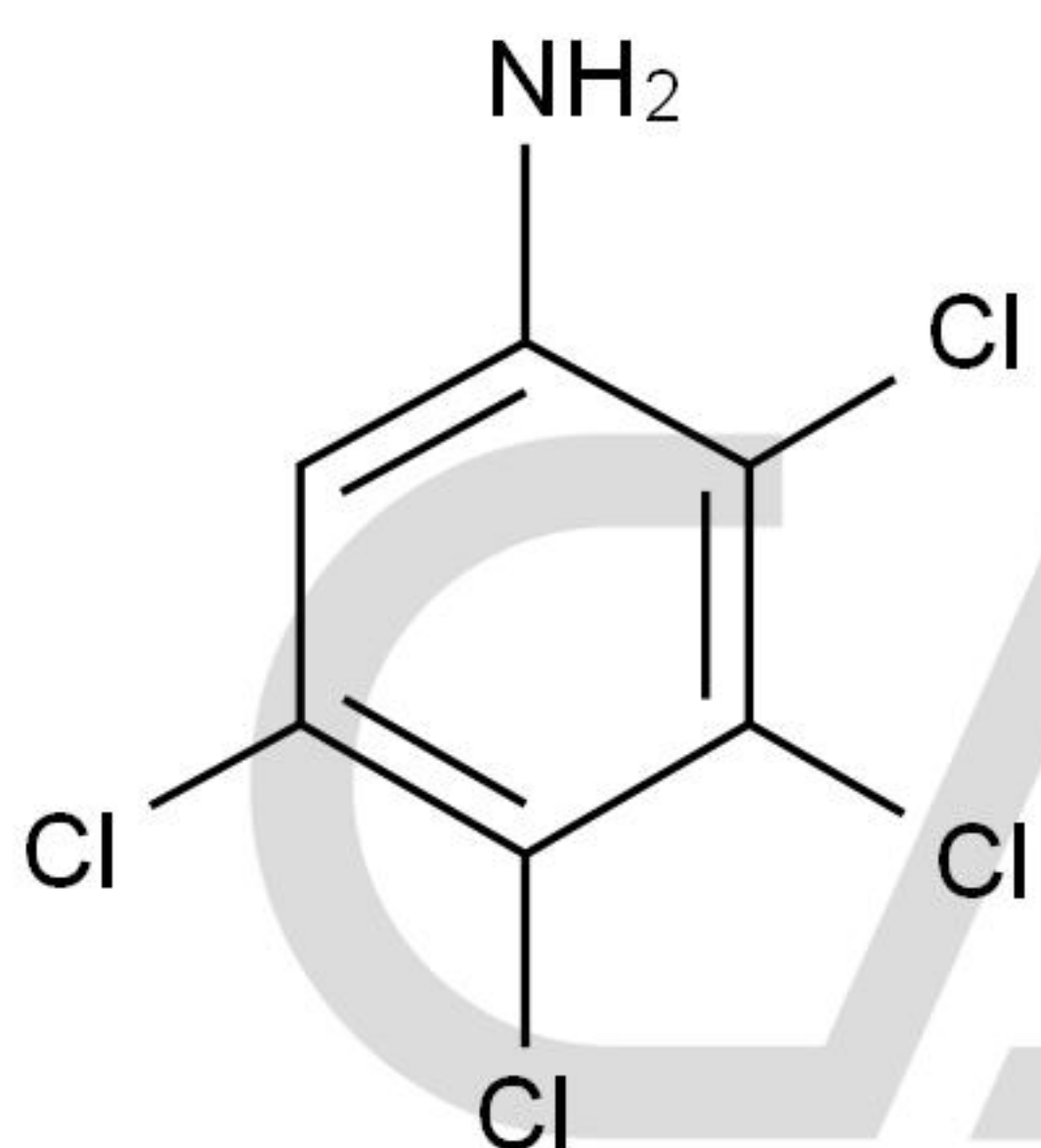
Reference Material & Standard

Product Name:	2,3,4,5-Tetrachloroaniline	Catalogue Number:	CCFD200917
Synonyms:	N/A	Lot Number:	1230-RF-0065
CAS Number:	634-83-3	Expiry Date:	Dec 29, 2029
Molecular Formula:	C ₆ H ₃ Cl ₄ N	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	230.91		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	95.063%
Water Content	Karl Fischer	0.0855%
Assay		95.0%
Uncertainty		±2.0%

Comment:

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

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

Water Content 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:

Lisa

Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Dec 30, 2024

Date: Dec 30, 2024

Date: Dec 30, 2024



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>

