CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

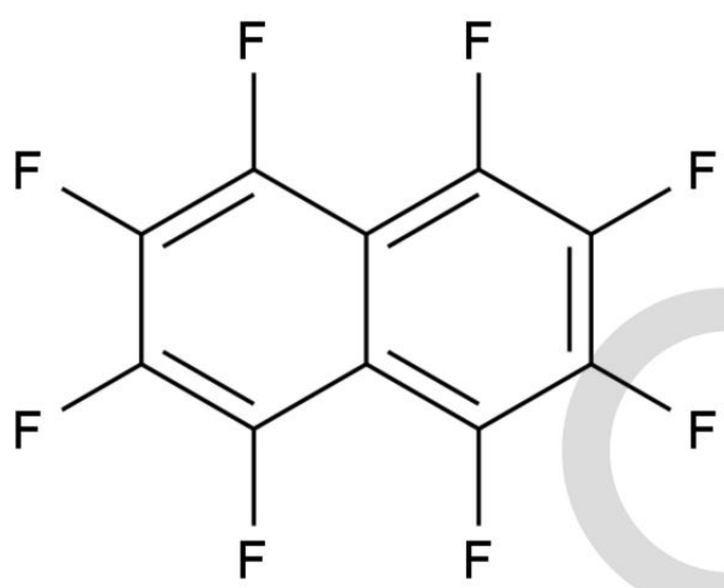
No.: 202108100017

Certificate of Analysis

Reference Material & Standard

Product Name:	Octafluoronaphthalene	**Catalogue Number:**	CCEM500774
Synonyms:	N/A	**Lot Number:**	0816-RC-0047
CAS Number:	313-72-4	**Expiry Date:**	Aug 19, 2027
Molecular Formula:	C10F8	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	272.09	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	GCMS&FNMR	Confirmed
Purity	GC	96.854%
Water Content	Karl Fischer	0.3900%
Assay		96.5%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content) * 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: Hinlam Date: Aug 20, 2021

Reviewed by: Debbie Date: Aug 21, 2021

Aporoved by General Manager: David Date: Aug 21, 2021

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China
Tel: +86-20-81960175 Fax: +86-20-81717260 Email: supports@cato-chem.com Web: Https://www.cato-chem.com

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