

Certificate of Analysis

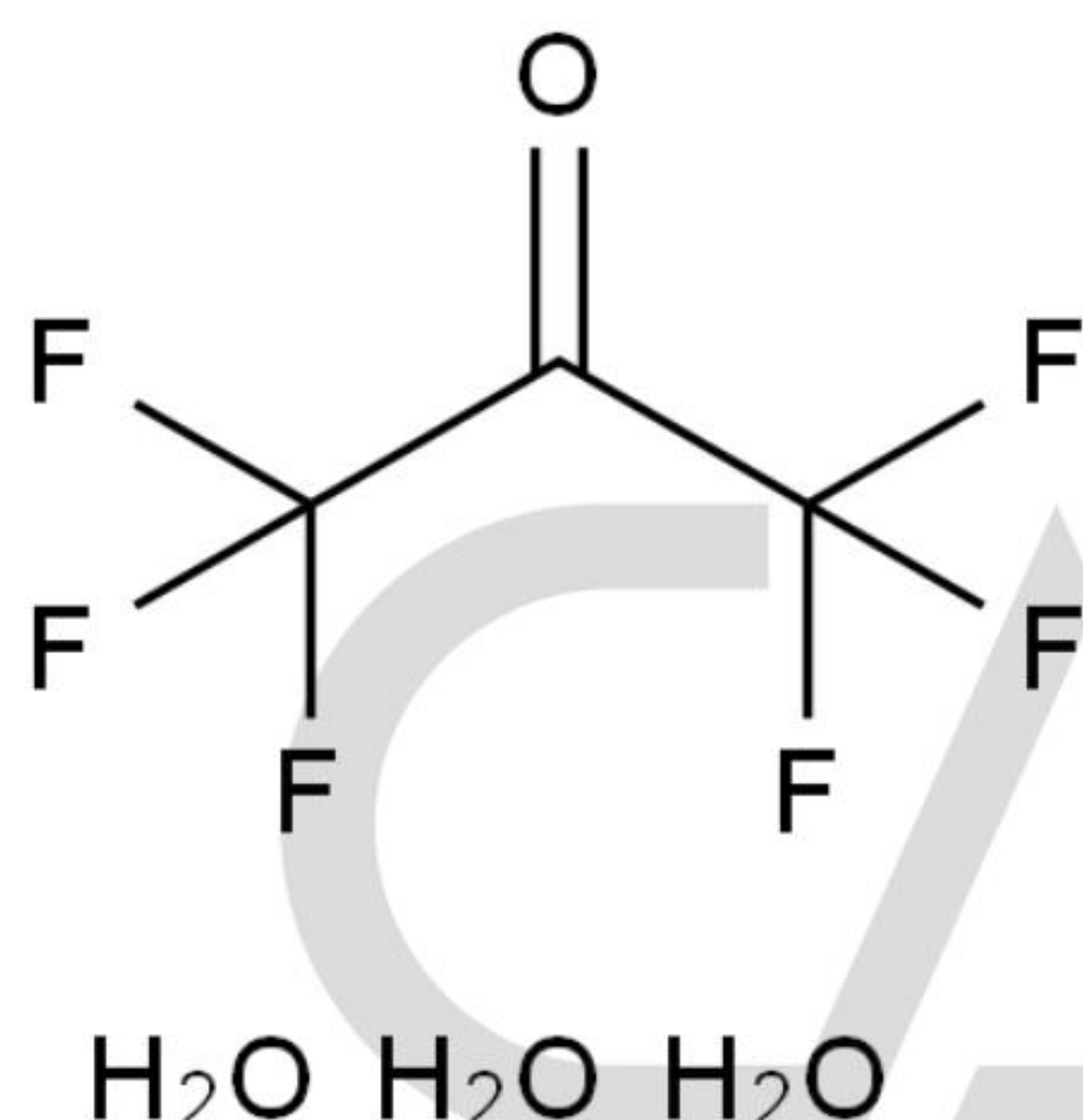
Reference Material & Standard

Product Name:	Hexafluoroacetone Trihydrate	Catalogue Number:	C3D-2253
Synonyms:	N/A	Lot Number:	1-F-76E
CAS Number:	34202-69-2	Expiry Date:	Dec 22, 2029
Molecular Formula:	C ₃ F ₆ O 3*H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	166.02 3*18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&IR&UV&FNMR	Confirmed
Purity	GC	95.300%
Water Content	Karl Fischer	25.7040%
Water Content(Free Water)		1.1402%
Assay		94.2%

Comment:

- The content of crystal water is 24.5638%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)}) * \text{Purity GC (\%)} / 100\%$$
 Water Content(Free Water) is considered as absolute effect, GC purity is considered as relative effect.

Signature:

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Approved by General Manager:

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Date: Dec 23, 2025

Date: Dec 24, 2025

Date: Dec 24, 2025



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