

Certificate of Analysis

Reference Material & Standard

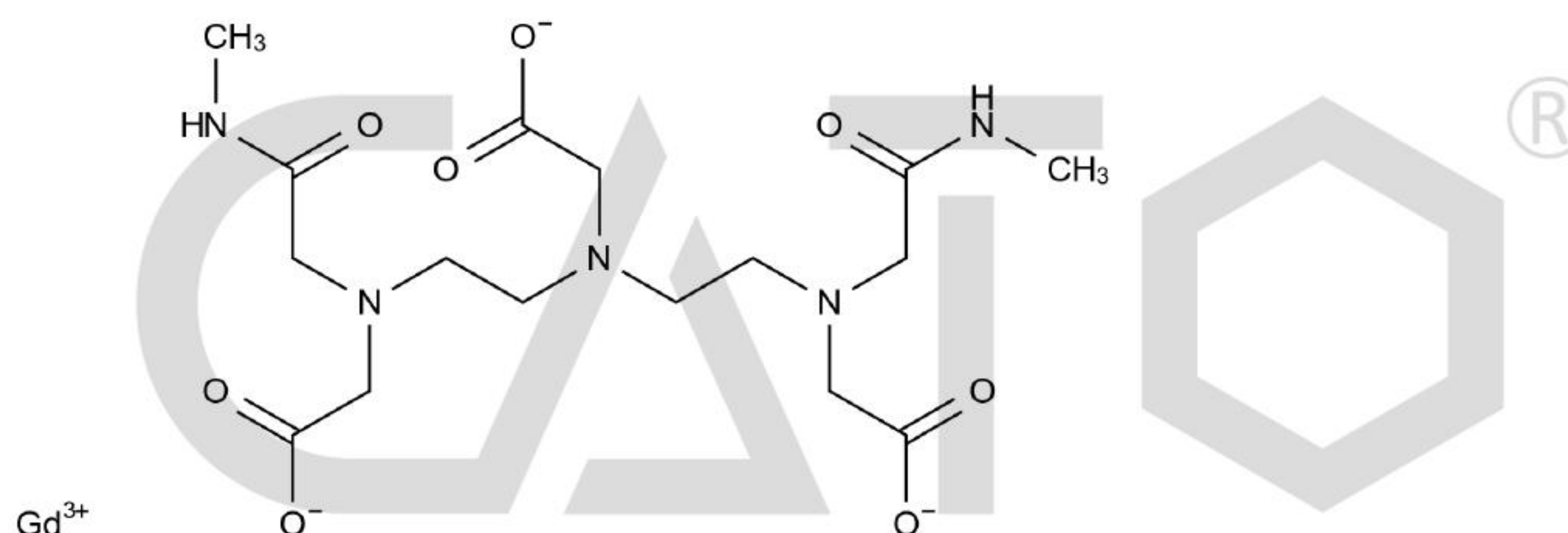
Product Name:	Gadodiamide Hydrate	Catalogue Number:	C1142284
Synonyms:	N/A	Lot Number:	0112-RH-0116
CAS Number:	122795-43-1	Expiry Date:	Jan 14, 2030
Molecular Formula:	C ₁₆ H ₂₆ N ₅ O ₈ Gd H ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	416.41 157.25 18.02	Shipping Condition:	Shipping with Ice Packs

Warning:



H₂O

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR	Confirmed
Purity	ELSD	100.000%
Loss On Drying	TGA	9.5411%
Loss On Drying(Free Water)		6.4955%
Assay		93.5%

Comment:

- The content of crystal water is 3.0456%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Signature:

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Approved by General Manager:

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Date: Jan 15, 2026

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