

Certificate of Analysis

Reference Material & Standard

Product Name:	Gadobutrol Impurity 114	Catalogue Number:	C4X-2120114
Synonyms:	cis-2-Butene-1,4-diol	Lot Number:	1205-RG-0073
CAS Number:	6117-80-2	Expiry Date:	Dec 04, 2029
Molecular Formula:	C ₄ H ₈ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	88.11	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.0%
Assay	qNMR	91.9%

Signature:

Prepared by:

Koi

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Dec 05, 2025

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