CERTIFICATE OF ANALYSIS

1. Identification

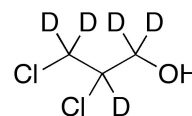|		
Catalogue Number	**Lot Number**	**Structure**
D435777	21-MGG-156-2	

Product Name

2,3-Dichloro-1-propanol-d5

Synonyms

(RS)-2,3-Dichloro-1-propanol-d5; α,β-Dichlorohydrin-d5; β,γ-Dichlorohydrin-d5; β-Dichlorohydrin-d5; 2,3-Dichloro-1-propanol-d5; 2,3-Dichloropropyl-d5 Alcohol; Glycerol α,β-Dichlorohydrin-d5; Glycerol 1,2-Dichlorohydrin-d5;

CAS Number	**Solubility**	**Shipping Condition**
1189730-34-4	Chloroform (Sparingly), Ethyl Acetate (Slightly)	This Product Is Stable To Be Shipped At Room Temperature
Molecular Formula	**Source of Product**	**Long Term Storage Conditions**
$C_3HD_5Cl_2O$	Synthetic	-20°C
Molecular Weight	**Purity**	
134.02	>95%	

2. Warnings

Not Determined

3. Analytical Information

Tests	Specifications	Results
Appearance	Colourless to Pale Yellow Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 27.28, %H: 4.64
GC Purity	>95%	97.47%
Isotopic Purity	>95%	98.7%
GCMS	Conforms to Structure	Conforms

Additional Information

Normalized Intensity: d_0 = 0.00%, d_1 = 0.00%, d_2 = 0.00%, d_3 = 0.00%, d_4 = 6.64%, d_5 = 93.36%.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by	Reviewed by	C of A Approved by	**Test Date**	**Retest Date**
Sarbjeet Kaur	*signature*	*Chanell Chu*	2/7/2023	2/5/2027
Sarbjeet Kaur	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		