

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1119	
Compound name	Disulphiram	
Chemical name	Bis(diethylthiocarbamoyl)disulfide	
Batch number	E1357-1-1	
Batch molecular formula	C ₁₀ H ₂₀ N ₂ S ₄	
Batch molecular weight	296.52	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >97% purity	Meets specification: 97.5%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 5% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.9
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (20 mM) and in ethanol (100 mM with warming)	Meets specification

Produced by

Signature

Passed by

Signature

Date

30-06-20

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.