

Certificate of Analysis

Product Name: 1(S),9(R)-(-)-BICUCULLINE METHIODIDE
BioChemika

Product Number: 14343

Product Brand: Sigma

Molecular Formula: C₂₁H₂₀INO₆

Molecular Mass: 509.29

CAS Number: 55950-07-7

TEST	SPECIFICATION	LOT 1402092V RESULTS
APPEARANCE (COLOR)	WHITE TO SLIGHTLY YELLOW	SLIGHTLY YELLOW
APPEARANCE (FORM)	POWDER TO POWDER WITH LUMPS	POWDER
PURITY (HPCE AREA %)	≥ 95.0 %	99.9 %
SPECIFIC ROTATION (20/D)	-116.0 ± 6.0 DEGREES	-121.5 DEGREES
CONCENTRATION	C=1 IN CHLOROFORM	C=1 IN CHLOROFORM
SOLUBILITY (COLOR)	COLORLESS TO GREENISH-YELLOW	GREENISH-YELLOW (GY2)
SOLUBILITY (TURBIDITY)	CLEAR TO ALMOST CLEAR	CLEAR (<3.5 NTU)
SOLUBILITY (METHOD)	10 MG/ML H ₂ O, HOT	10 MG/ML H ₂ O, HOT
CARBON CONTENT	49.53 % (THEORY)	49.38 %
HYDROGEN CONTENT	3.96 % (THEORY)	3.85 %
NITROGEN CONTENT	2.75 % (THEORY)	2.72 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS

QC RELEASE DATE 30/JUL/08



Edeltraud Schwärzler, Manager
Quality Control
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