



Certificate of Analysis

Axon Catalogue ID:	1234	Batch Number:	4
Product Name:	Cannabidiol - CBD		
Alternative Name(s):	N.A.		
IUPAC Name:	2-((1R,6R)-6-Isopropenyl-3-methyl-cyclohex-2-enyl)-5-pentyl-benzene-1,3-diol		
Structure:	 <chem>CCCCCc1cc(O)c(C2=CC(C)=CC(C2)C3=CC=CC=C3O)cc1</chem>		Amount:
CAS number:	13956-29-1	Batch MW:	314.47
Batch Molecular Formula:	C ₂₁ H ₃₀ O ₂	Observed m.p.:	NA
Appearance:	Thick Oil		
TLC (R_f):	0.85	4:1 Pet. Ether/Ethyl Acetate	
Chemical Purity:	99.2%	Wavelength for purity check:	208 nm
Optical Purity (ee):			
¹H-NMR (300 MHz):	Analytical data confirm chemical structure (traces of solvent)		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Not available		
Storage Conditions:	Desiccate at	-20°C	
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water		
	1eq. NaOH		
	1eq. HCl		
	DMSO		>100 mM
	EtOH		
Remarks:	NMR shows a trace of methanol, <0.5% wt		
Quality controller:	M. Brandsma, MSc.	Date:	07-12-2011

The purity of Axon products is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only