

Certificate of Analysis

Product Name: DOCUSATE SODIUM SALT
BioUltra, ≥ 99.0 % TLC
Product Number: 86139
Product Brand: Sigma
Molecular Formula: $C_{20}H_{37}NaO_7S$
Molecular Mass: 444.56
CAS Number: 577-11-7

TEST	SPECIFICATION	LOT BCBB5192 RESULTS
APPEARANCE (COLOR)	WHITE/COLORLESS	WHITE
APPEARANCE (FORM)	POWDER WITH LUMPS TO FINE PLATELETS, CAN BE STICKY	CORRESPONDS
PURITY (TLC AREA %)	≥ 99.0 %	99.2 %
LOSS ON DRYING	≤ 1.5 %	< 0.05 %
CARBON CONTENT	53.78 % (THEORY)	53.45 %
HYDROGEN CONTENT	8.39 % (THEORY)	8.57 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
ALUMINIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BARIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BISMUTH (ICP)	≤ 5 MG/KG	< 5 MG/KG
CALCIUM (ICP)	≤ 10 MG/KG	< 10 MG/KG
CADMIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
COBALT (ICP)	≤ 5 MG/KG	< 5 MG/KG
CHROMIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
COPPER (ICP)	≤ 5 MG/KG	< 5 MG/KG
IRON (ICP)	≤ 5 MG/KG	< 5 MG/KG
POTASSIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
LITHIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MAGNESIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MANGANESE (ICP)	≤ 5 MG/KG	< 5 MG/KG
MOLYBDENUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
NICKEL (ICP)	≤ 5 MG/KG	< 5 MG/KG
LEAD (ICP)	≤ 5 MG/KG	< 5 MG/KG

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STRONTIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
ZINC (ICP)	≤ 5 MG/KG	< 5 MG/KG
ARSENIC TRACES (MHS-AAS)	≤ 0.1 MG/KG	< 0.1 MG/KG
CHLORIDE (CL)	≤ 100 MG/KG	< 50 MG/KG
SOLUBILITY (METHOD)	--	1.32 G IN 30 ML METHANOL (0.1 M)
APPEARANCE (SOLUTION)	CLEAR COLORLESS	CLEAR COLORLESS
RESIDUE (FILTER TEST)	NO RESIDUE	NO RESIDUE
UV - ABS. AT 260 NM	≤ 0.100	0.021
UV - ABS. AT 280 NM	≤ 0.050	0.008

QC RELEASE DATE 12/JAN/10
RECOMMENDED RETEST DATE DEC/15



Edeltraud Schwärzler, Manager
Quality Control
Buchs, Switzerland

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