
	<b>EAST COAST ORGANICS PRIVATE LIMITED</b> <b>237/2, Vellivoyal Chavadi, Chennai – 600 103</b> <b>Tamilnadu, India,</b>	DOC No : ECO/QC/TDS/003
		Issue Date : 01.10.2020
	<b>TECHNICAL DATA SHEET</b>	Rev No/date : 01 / 09.10.2022
		Effective Date : 10.10.2022
<b>DISULFIRAM - USP</b>		

Name of the Drug	:	Disulfiram - USP
Chemical Name	:	Tetra Ethyl Thiuram Disulphide
CAS No	:	97-77-8
Molecular weight	:	296.54 g/mol
Molecular formula	:	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> S <sub>4</sub>

S.No	PARAMETER	SPECIFICATION
1	Description	A White or off-white, odorless Crystalline Powder.
2	Solubility	Practically insoluble in water, freely soluble in Methylene chloride, sparingly soluble in alcohol
3	Identification-A by IR	Examine by infrared absorption Spectrophotometry. Comparing with the Spectrum Obtained with USP Disulfiram RS.
4	Identification-B by RT comparison in HPLC	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay
5	Melting range	69.0°C – 72.0°C
6	Residue on Ignition	Not more than 0.10 %w/w
7	Selenium	Not more than 30 ppm
8	Loss on Drying at 50 °C @pressure of 1.5 to 5kPa	Not more than 0.50 %w/w
9	Assay By ( HPLC )	98.00 % to 102.00 %
10	Residual Solvent Class - I, II & III	As per USP

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<b>Product Information</b>	
Solubility	Freely soluble in dichloromethane; soluble in ether, in acetone, in carbon disulphide and in chloroform; sparingly soluble in ethanol (95 per cent); practically insoluble in water.
Toxicity data	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Harmful if swallowed. Repeat contact may cause skin sensitization. Toxic to aquatic organisms. Oral LD50/rat : 1,980 mg/kg
Handling and Personal Protection	Avoid breathing dust. Avoid contact with skin and eyes. Ensure good ventilation and local exhaustion of the working area. Wear suitable respiratory equipment, gloves with long cuffs, suitable protective clothing, Safety goggles recommended.
Storage	Store cool place & protected from direct sunlight

<b>Packaging</b>	
HDPE Barrel/Carbouy	Packed in polyliner and finally HDPE carbouys
Shelf Life	60 Months

Quality Assurance Manager

J.Kalimuthu - QA /QC