

TECHNICAL DATA SHEET (TDS)

Product Name	ROSE HYDROSOL
Botanical Name	Rosa damascena
INCI Name	Rosa Damascena (Rose) Distillate Water
CAS#	90106-38-0
EINECS#	290-260-3

Quality	100% Pure and Natural
Part Used	Flower Petals
Extraction Method	Steam Distilled Hydrosol

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Clear colorless to slightly cloudy liquid
Odour	Mild floral aroma of fresh roses
Refractive Index	1.300 - 1.350 @ 20°C
Specific Gravity (g/mL)	0.980 - 1.020 @ 25°C
pH	4.50 - 7.00
Solubility	Soluble in water and alcohol; Insoluble in fixed oils

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

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