



CERTIFICATE OF ANALYSIS

PRODUCT NAME: GRAPEFRUIT SEED, EXTRACT
LOT NUMBER: LOT0013299
PRODUCT INCI: CITRUS GRANDIS SEED EXTRACT & GLYCERINE & ASCORBIC ACID & AQUA
PRODUCT CODE: K0209
CAS NUMBER: NOT APPLICABLE
EINECS NUMBER: NOT APPLICABLE
MANUFACTURING METHOD: ANTI-MICROBIAL COMPOUND PRODUCED FROM THE SEED & PULP OF CITRUS GRANDIS, THEN BLENDED WITH GLYCERINE & ASCORBIC ACID & AQUA.
MANUFACTURING DATE: 12/10/2021
BEST BEFORE DATE: 12/10/2023

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	VISCOUS LIQUID	-
COLOUR	YELLOW – BROWN	-
ODOUR	CHARACTERISTIC, GRAPEFRUIT	-
SPECIFIC GRAVITY @ 20°C	1.200 – 1.275	1.2398
TOTAL FLAVONOID (E.G NARINGIN, NARIRUTIN, HESPERIDIN, NEOHESPERIDIN) (MG/100ML)	> 600	COMPLIES
ASCORBIC ACID (MG / 100ML)	APPROX. 3.45	3.53
QUATERNARY AMMONIUM COMPOUNDS:		
BAC-C12 BENZYLIDIMETHYL DODECYLAMMONIUM CHLORIDE	NOT DETECTED	COMPLIES
BAC-C14 MIRISTALKONIUM CHLORIDE	NOT DETECTED	COMPLIES
BAC-C16 CETALKONIUM CHLORIDE	NOT DETECTED	COMPLIES
DDAC DIDECYLDIMETHYLAMMONIUM CHLORIDE	NOT DETECTED	COMPLIES
BEC BENZETHONIUM CHLORIDE	NOT DETECTED	COMPLIES
MICROBIOLOGY:		
AEROBIC MESOPHILE TOTAL MICROBIAL COUNT (CFU /G)	< 10.0	COMPLIES
BILE – TOLERANT GRAMNEGATIVE BACTERIA (CFU /G)	< 100.0	COMPLIES
YEAST MOULD (CFU /G)	< 100.0	COMPLIES
ESCHERICHIA COLI (CFU /G)	NOT DETECTED	COMPLIES
STAPHYLOCOCCUS AUREUS (CFU /G)	NOT DETECTED	COMPLIES

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THE OIL FAMILY

SALMONELLA (CFU /G)	NOT DETECTED	COMPLIES
PESTICIDES:		
ARSENIC (PPM)	< 0.05	COMPLIES
CADMIUM (PPM)	< 0.025	COMPLIES
MERCURY (PPM)	< 0.025	COMPLIES
LEAD (PPM)	< 0.025	COMPLIES

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

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