

CERTIFICATE OF ANALYSIS

MOROSIL™

Batch N°: 04202503-10

Manufacture date: 18th March 2025

Expiry date: 17th March 2028

Storage: keep container unopened in cool, dry place

Country of origin: Italy

Botanical name: Citrus sinensis (L.) Osbeck

Plant part used: fruit

Analysis	Specifications	Results
Anthocyanins (as cyanidin-3-glucoside) % (w/w)	0.8 – 0.9	0.8
Hydroxycinnamic acids (cumaric, caffeic, sinapic, ferulic, cinnamic) % (w/w)	0.8 – 1.0	0.9
Flavanones (hesperidin, narirutin) % (w/w)	2.0 – 2.2	2.2
Ascorbic acid % (w/w)	4.3 – 4.5	4.4
Form	Powder	Conform
Color	Red purple	Conform
Taste	Acid	Conform
Smell	Characteristic	Conform
Moisture	≤ 5%	Conform
Ashes	≤ 1.2 %	Conform
Lead (Pb)	< 3 ppm	Conform
Arsenic (As)	< 3 ppm	Conform
Cadmium (Cd)	< 1 ppm	Conform
Mercury (Hg)	< 0.1 ppm	Conform
Pesticides	Conform to Reg. EC 396/2005	Conform
PAH*	Conform to Reg EU 915/2023 and sms	Conform
Benzo(a)pyrene*	< 10 µg/kg	Conform
Sum of Benzo(a)pyrene, Benz(a)anthracene, Benzo(b)fluoranthene and chrysene*	< 50 µg/kg	Conform
Pyrrolizidine alkaloids*	Conform to Reg EU 915/2023 and sms	Conform
pH (2.5 % aqueous solution)	2.1-3.2	Conform
Solubility	Moderately soluble in water	Conform
Residual solvent (ethanol)*	< 0.2 %	Conform
Particle size	More than 90% pass 300 µm	Conform
Total plate count (cfu/g)	< 1000	< LQ (LQ=10 cfu/g)
Yeasts and Moulds (cfu/g)	< 100	< LQ (LQ=10 cfu/g)
Enterobacteriaceae (cfu/g)	< 100	< LQ (LQ=10 cfu/g)
Escherichia coli	Absent	Absent

Analysis	Specifications	Results
Pseudomonas aeruginosa	Absent	Absent
Staphylococcus aureus	Absent	Absent
Salmonella specie	Absent	Absent

**these parameters are analyzed according to a self-control plan*

THIS PRODUCT IS G.M.O. FREE.

THIS PRODUCT HAS NOT BEEN IRRADIATED

Bionap S.r.l.

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