



Skin Lightening Additives

Trade No.	Product Name	Specification
BLL-MB218	Kojic Acid	Appearance: White or almost white crystal powder Melting point: 152~156°C Loss on drying: ≤0.5% Residua of burnt: ≤0.1% Heavy metals: ≤0.001% Assay: ≥98.0%
OLI-2141	Kojic Acid Dipalmitate	Appearance: white powdery crystals. Melting point: 93~96°C Assay (HPLC): ≥95% Loss on drying: ≤1% Heavy metal (Pb): ≤20ppm Arsenic(As): ≤10ppm
OLI-2168	Endothelin Antagonist	Appearance: pale yellow lyophilized mass Nitrogen: ≥10% Solubility: soluble in water Heavy metal(Pb): <20ppm Total bacteria(cfu/g): <100
OLI-2180	β - Arbutin	Appearance: off-white powder Melting point: 199°C ~201°C pH (1% Solution): 5.0~7.0 Specific optical rotation $[\alpha]_D^{20}$: -64° ~ -66° (C=3) Assay (HPLC): ≥99.5% Moisture: ≤0.5% Hydroquinone (HPLC): <20 ppm Heavy metal(Pb) : ≤10ppm Arsenic(As): ≤2ppm
CZ-AR	α - Arbutin	Appearance: White crystals or crystalline powder Specific Rotation $[\alpha]_D^{20}$: +174.0°~ +186.0° Assay: ≥99.5% (HPLC) Loss on Drying: ≤0.5% pH: 5.0~7.0 Melting point: 202.0°C ~212.0°C Lead: ≤10mg/kg Arsenic: ≤2mg/kg Hydroquinone: Negative



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OLI-2185	Licorice Flavone (Glycol Solution)	Appearance: colorless to pale yellow liquid Glabridin contents (HPLC): $\geq 0.35\%$ Flavone test: Positive Total bacteria(cfu/g): < 100 Heavy metal(Pb): < 20 ppm
OLI-2186	Glabridin-90	Appearance: off-white powder Glabridin contents (HPLC): $> 90\%$ Flavone test: Positive Heavy metal (Pb): < 20 ppm Arsenic (As): < 2 ppm Total bacteria (cfu/g): < 100
OLI-2188	Licorice Flavone (Glycol Solution)	Appearance: yellow-brown to reddish-brownish liquid Glabridin contents (HPLC): $\geq 0.35\%$ Flavone test: Positive Total bacteria(cfu/g): ≤ 100 Heavy metal(Pb): < 20 ppm
OLI-2189	Glabridin-40	Appearance: yellow-brown or reddish-brown powder Glabridin contents (HPLC): $> 37.0\%$ Flavone test: Positive Heavy metal (Pb): < 20 ppm Arsenic (As): < 2 ppm Total bacteria (cfu/g): < 100
OLI-2192	Ascorbyl Isostearate Vc	Appearance: pale yellowish oily liquid Relative density (20°C) : 0.85~0.90 Index of refractive (n _D ²⁵): 1.450~1.460 Heavy metal (Pb) : ≤ 20 ppm Arsenic (As) : ≤ 2 ppm
OLI-2198	Magnesium Ascorbyl Phosphate (MAP) Vc	Appearance: off-white powder Color(3% Solu., APHA): ≤ 40 pH of solution: 7.0-8.5 (3% aq. Solu.) Assay(%) as dry base (HPLC): $\geq 98.5\%$ Optical Rotation $[\alpha]_D^{20}$: $+43 \sim +50^\circ$ (C=3) Water contents: $< 20.0\%$ Chloride: < 0.35 Free ascorbic acid: < 0.5 Free phosphoric acid: < 1.0 Heavy metal(Pb): ≤ 20 ppm Arsenic(As): ≤ 2 ppm Total bacteria(cfu/g): < 30