

Description

Gum rosin is the non-volatile fraction resulting from the distillation of oleoresin obtained from the tapping process of live trees of the Pinaceae Family Pinus Iberian Gum Rosin, obtained from Pinus Pinaster gum, is widely known by its well balanced chemical composition.

Chemical name: Colophony

CAS number: 8050-09-7 | EC number 232-475-7

Appearance: Crystalline solid with light to dark yellow color

Odour: Resin odour faint

Composition

Gum rosin is a UVCB sub type 3 Composed primarily of resin acids - Diterpenic carboxylic acids (85-95%), such abietic acid, neoabietic acid, palustric acid, pimaric acid, amongst others and a neutral fraction (5-15%) without a carboxylic acid group.

The variations in chemical composition is related with the pine species, geography and clima conditions.

Technical Specifications

ANALYSIS	SPECIFICATIONS LIMITS	METHOD
Colour Gardner	[4 – 9]	ASTM D6166
Softening Point (°C)	[74 –84]	ISO 4625
Acid Number (mg KOH/g)	[162 – 175]	ASTM D465
Ash content (%)	< 0,2	NP3452
Volatile oil (%)	≤ 2,5	ASTM D889
Saponification index (mg KOH/g)	[156 – 186]	ASTM D464
Unsaponifiable matter (%)	< 5.0	ASTM D1065
Solubility	Soluble in aromatic and chlorinated hydrocarbons, esters and ketones. Partially soluble in aliphatic hydrocarbons.	

Applications

Gum rosin is often used in the formulation and manufacturing of specialty chemicals coatings and adhesives rubber compounding polymers and resins paper sizing soaps and waxes. It inparts in the composition of several common products soldering pastes, coating products, cleaning agents, adhesives, sealants, lubricants, fuels, road and construction applications, agrochemicals (pest control products), in cosmetics, in food contact application, chewing gums and laboratory chemicals.

Storage

Store in original container protected from direct sunlight in dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep stored below 25 °C to prevent agglomeration. Shelf is of 12 months, for block is 36 months, under normal storage conditions.

Available shapes

Flakes | Crushed | Block | Liquid

Packaging

Paper Bags (25 kg) | Card Boxes (25 kg)
Drums (250 kg) | PP bags (25 kg)