

SPECIFICATIONS

PRODUCT: SHELLAC ABTN, machine made
EINECS: 232-549-9
CAS: 9000-59-3
DESCRIPTION: Shellac is the purified material obtained from the resinous secretion of the insect *Laccifer (Tachardia) lacca* Kerr (Fam. *Coccidae*).

PHYSICAL AND CHEMICAL ANALYSIS:

PARAMETER	TARGET VALUE		METHOD
	Minimum	Maximum	
Appearance	yellow to brownish, shining, translucent, hard or brittle, more or less thin flakes		Ph. Eur.
Solubility	insoluble in water, it is freely (slowly) soluble in alcohol and slightly soluble in acetone and ether		Ph. Eur
Colour (Lovibond 20 % [w/v] in Ethanol)		15	Ph. Eur
Melting temperature [°C]	70	90	Capillary method
Acid value	60	80	Ph. Eur
Loss on drying [%]		2	Ph. Eur
Wax content [%]		5,5	USP/NF
Matter insoluble in hot alcohol, %		1	USP/NF
Rosin	not detectable		USP/NF
Saponification value	175	240	DAB 9
Ash [%]		0.5	DAB 9
Iodine Value		18	USP / NF
Heavy metals [ppm]		10	Ph. Eur.
Arsenic [ppm]		2	Ph. Eur.

Packaging: Polybags or Big Bags

Best before and storage: 24 months at cool and dry storage from date of production / test date. Note: Product tends to block! Store in well closed containers at max. 15 °C.



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