

TECHNICAL BROCHURE
N° 567300

CHEMICALS

ALIPHATIC SOLVENTS

SOLVENT C

Basically, the solvent C is a hydrocarbon mixture mainly constituted by normal and iso paraffins of C6.

APPLICATIONS

It is used mainly for extracting vegetable oils (edible or not), such as peanut, sunflower, olive, corn, soya, grape, cotton, prickly pear, castor oil, avocado pear, etc. The solvent removes the oil directly from crushed seed or from cakes made by pressing seeds.

As the extracted oil is used for human consumption, and the cakes are used to make flour or in balanced food, the solvent must meet strict quality standards, apart from the common requirements set for the other solvents:

- Narrow distillation range, to not to contaminate with solvent neither the oil nor the cake.
- Virtually null distillation residues, to assure absence of strange components in the solvent.
- Low content of aromatic compounds.
- Very low content of sulphur, to avoid oil reactions.

This solvent is also used in removing essential oils and in the formulations of quick dry lacquers and thinners.

Solvent C meets the requirements of Resolution N° 2012/84 of the Argentine Food Code.

SPECIFICATIONS

Analysis	Specifications	Methods
Distillation Range (°C)		ASTM D1078
IBP	min. 64	
DP	max. 70	
Doctor test	Negative	ASTM D4952
Distillation residue	Neutral	ASTM D1093
acidity		
Sulphur (mg/kg)	max. 1	ASTM D4045 / ASTM D5453 / UOP 987
Density at 15 °C (g/ml)	0.660-0.680	ASTM D4052
Total aromatics (ml/m ³)	max. 100	INS_-0007254

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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Non-volatile residue (g/100ml)	max. 0.0005	ASTM D1353
Solubility	Water immiscible	INS_-0007335
Ultraviolet absorbance (1) (Path length 1 cm)		ASTM D2008
Wavelength	max.	
280-289	0.15	
290-299	0.13	
300-359	0.08	
360-400	0.02	

⁽¹⁾ Polynuclear aromatic hydrocarbons

NOTE: product without antistatic additives (typical conductivity < 25 pS/m).

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