

N-HEXANE

USE: EXTRACTION SOLVENTS COMPONENT FOR OIL PRODUCTION AND POLYMERISATION PROCESSES, INTERMEDIARY

PROPERTY	MU	LIMITS		TEST METHOD
		Min.	Max.	
Appearance		Colorless, transparent, clear		visual
Density at 150C	kg/m3	663	690	SR EN ISO 3675-02 /C91:2005 SR EN ISO 12185:2003 ASTM D 4052-18a ASTM D 1298-12(17)
Distillation 5...95% (v/v) distill in the temperature range	°C	66	70	SR EN ISO 3405:2019 ASTM D 86-20b
Benzene content	ppm (weight)	-	100	ASTM D 6229-06(18)
N-hexane content	% (m/m)	50	-	ASTM D 5134-21
Bromine Index	mgBr/100g	-	100	ASTM D 2710-20
Water content	% (m/m)	-	0.02	SR EN ISO 12937-01/C91:2014 ASTM D 6304-20
Sulphur content	mg/kg	-	1	ASTM D 5453-19a
Reaction of aqueous extract		neutral		SS 101
Copper strip corrosion rating (3 h at 50 °C)	rating	-	1 a	SR EN ISO 2160-02 ASTM D 130-12

Reaction of aqueous extract

In a conical flask are introduced 100 cm³ of sample and 30 cm³ water. Heat stirring, on water bath, till to 70°C. Mixture is placed in a separating funnel, shake well and cools. Will separate the two liquid layers. Aqueous layer is filter and 10 cm³ of the filtrate are introducing in two eprouvettes. Add a drop of phenolphthalein in the first eprouvette and o drop of metiloranj in the second.

If in the first eprouvette appear the pink colour, is notes the reaction of aqueous extract–alkaline. If in the second eprouvette appear a red coloration, is notes the reaction of aqueous extract -acid In both cases, if there are no color changes, is notes reaction of aqueous extract – neutral.

Quality control: the control is done on lot (batch)

The batch size corresponds to tank capacity, max.1000 tones for delivery in trucks and tankers and will consist of the same product type.

For each lot must to be checked all quality coefficients provided in standard specification of the product/type. The product must to comply with all provided characteristics. If not, the lot is rejected.

In case of litigation, quality control will be made on samples taken in accordance with sampling procedure and hold for this case.

Sampling procedure: SR EN ISO 3170-2004/C91:2005/ASTM D 4057-12

Information on product classification, packing, labelling, handling, transport and storage: according to Safety Data Sheet 3V.

The Integrated Management System is certified according to the following standards:

- ISO 9001
- ISO 14001
- ISO 45001
- ISO 50001

The test lab is accredited by RENAR, in compliance with SR EN ISO/CEI 17025.

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