



Vendor declaration of compliance

Manufacturer's name, location: **MOL Plc.**

Október huszonharmadika út 18.
1117 Budapest

Location of production: **MOL Plc.**

Duna Refinery
H-2443 Százhalombatta, Olajmunkás u. 2.

This declaration is verifying, that the „N-Hexane for extraction purposes” product complies with the following:

- **152/2009 (XI.12.) FVM regulation (Mandatory requirements of the Hungarian Food Book) Annex No: 14 - Hungarian Food Book 1-2-2009/32 specification on usable extraction solvents for food production - requirements**
- **2009/32/EK Directive of European Parliament and Council / Approximation of the laws of the Member States- relating to extraction solvents used in food and food-ingredients production -directives**

The manufacturer shall take the necessary measures, actions to ensure that the product complies with the general and specific purity criteria specified as follows:

- The product must not contain any element or compound in toxicologically hazardous quantities,
- The Product must not contain more than 1 mg/kg of arsenic or lead.

Product commercial name:

N-Hexane for extraction purposes

Typical usage of the product:

The product is used in the manufacturing of raw-materials, foodstuffs, food-components or their constituents in an extraction process and is then removed, which is technically inevitably in the form of residues or derivatives may be used in food or in the food ingredient.

Technical specification

Test conduction laboratory name and address

1. BÁLINT ANALITIKA Ltd. Laboratory
H-1116 Budapest, Fehérvári út 144.
2. MOL Nyrt. / Downstream MOL
DS Production MOL
Duna Refinery Quality control (NAH-1-1842/2018)
H-2443 Százhalombatta, Olajmunkás u. 2.

Serial number of the type-examination protocol: **6256177**

Technical specifications, complies with the requirements as demonstrated by the product testing are summarized in the table below.

Quality features	Test standard	UoM	Requirement
Destiny on 15°C	MSZ EN ISO 12185	g/cm ³	0,6650-0,6850
Initial boiling point	MSZ EN ISO 3405	°C	min. 64
Initial boiling point		°C	max. 69,5
Doctor attempt	ASTM D 4952		negative
Water-soluble acid and alkalinity	MSZ 11723-3		pure
Hydrogen sulphide	ASTM D 853		negative
HAZEN colour	MSZ 15981		max. 20
Evaporation Residue	MSZ EN ISO 6246	mg/100cm ³	max. 5
Sulphur content (ppm)	MSZ EN ISO 20846	mg/kg	max. 2,0
Bromine number	ISO 3839	gBr/100g	max. 0,010
Benzene (ppm)	MSZ 1043	mg/kg	max. 10
Sum aromatics (ppm)		mg/kg	max. 10
N-hexane	MSZ-09-60,0133	% (m/m)	min. 55
Cyclohexane		% (m/m)	max. 1,8
n-Heptane		% (m/m)	max. 3
C6 i-paraffins		% (m/m)	max. 35
Methylene-cyclo-Pentane	ASTM D 5134	% (m/m)	max. 20
Arsenic (AS)	EPA 6020A:2007	mg/kg	max. 1,00
Lead (Pb)		mg/kg	max. 1,00

Százhalombatta, 01. September, 2020.

Name: Bakonyi József
 Position: Operation MOL leader
 Product responsible

Signature: 