

IPA-F Isopropyl Alcohol**TECHNICAL SPECIFICATIONS**

No: 004Ph/07/2023

PRODUCT NAME : IPA-F Isopropyl Alcohol**CAS:** 67-63-0**REACH:****APPEARANCE :** Clear liquid without impurities**ADDITIONAL INFORMATION:** The product meets the requirements of the European Pharmacopoeia

Parameter	Unit	Limit
Isopropanol content	[% m/m]	min 99.8
Water content	[% m/m]	max 0.2
Colour	[Pt-Co]	max 10
Benzene content	[ppm]	max 1
Total content of impurities except 2-Butanol	[% m/m]	max 0.04
Acidity as acetic acid	[% m/m]	max 0.001
Absorbance at wavelength:		
- $\lambda=310$ nm	-	max. 0.01
- $\lambda=290$ nm	-	max 0.02
- $\lambda=270$ nm	-	max 0.03
- $\lambda=250$ nm	-	max 0.10
- $\lambda=230$ nm	-	max 0.30
Absorption curve	-	Smooth without inflections
Density at 20°C	[g/ml]	0.784 - 0.786
Relative density	-	0.785 - 0.789
Refractive Index n_D^{20}	-	1.376 - 1.378
Non-volatile substances	[mg/100 ml]	max 1
Peroxides	-	no colour develops

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

It is the responsibility of our customers to ensure that the use of this product is safe, legal and technically appropriate for their intended use.

The above specification parameters are maintained for the product stored in tightly closed containers under the conditions described in the safety data sheet.

Prepared by

M.Sc. Łukasz S. Ujma

An electronic document does not require a seal or signature.