

VODKA 79%

Name of indicators	Value as per technological regulations	Measured value of parameter
Strength, %	79.0±0.2	79.0
Hydrochloric acid volume C(HCl)=0,1 mole/dm ³ , used for titration of 100 cm ³ of vodka, cm ³	Not more than 2.0	0.1
Mass concentration of acetaldehydes evaluated in anhydrous alcohol, mg/ dm ³	Not more than 3.0	<0.5
Mass concentration of fusel oil: 1-propanol, 2-propanol, isobutyl alcohol, 1-butanol, isoamyl alcohol in 1dm ³ of anhydrous alcohol, mg/ dm ³	Not more than 5.0	0.58
Mass concentration of esters – methyl acetate and ethyl acetate in anhydrous alcohol, mg/dm ³	Not more than 5.0	<0.5
Volume part of methyl alcohol evaluated in anhydrous alcohol, %	Not more than 0.01	0.00085
Furfural presence	Not permitted	Not permitted

ETHANOL

Name of indicators	Value as per technological regulations	Measured value of parameter
Ethyl alcohol volume ratio, %, at least	96.30	96.40 at 20°C
Purity test with sulphuric acid	Pass	Pass
Oxidation test, min, at 20°C, at least	22	24
Mass concentration of acetaldehyde on an anhydrous alcohol basis, mg/dm ³ , not more than	1.0	less than 0.5
Mass fusel oil concentration: - 1-propanol, 2-propanol, isobutyl alcohol, 1-butanol, isoamyl alcohol equivalent to anhydrous alcohol, mg/dm ³ , not more than	5.0	1.2
Mass compound esters concentration of: - methyl acetate and ethyl acetate equivalent to anhydrous alcohol, mg/dm ³ , not more than	5.0	less than 0.5
Methyl alcohol volume ratio equivalent to anhydrous alcohol, mg/dm ³ , not more than	0.01	0.0002
Mass free acids concentration (w/o CO ₂) equivalent to anhydrous alcohol, mg/dm ³ , not more than	8.0	5.6
Furfural content	Non tolerable	None
Cs-137 Radonucleide activity volume, Bq/l, not more than	370	10.38

CONCENTRATE OF HEAD AND INTERMEDIATE IMPURITIES OF ETHYL ALCOHOL

Name of indicators	Value as per technological regulations	Measured value of parameter
Volume part of ethyl alcohol, %	40.0-95.0	86.30
Mass concentration of acetaldehydes evaluated in anhydrous alcohol, mg/ dm ³	1.0-50.0	3.41
Mass concentration of esters – methyl acetate and ethyl acetate in anhydrous alcohol, mg/dm ³	2.0-100.0	61.45
Mass concentration of fusel oil: 1-propanol, 2-propanol, isobutyl alcohol, 1-butanol, isoamyl alcohol in 1dm ³ of anhydrous alcohol, mg/ dm ³	2.0-300.0	75.77
Volume part of methyl alcohol evaluated in anhydrous alcohol, %	0.01-10.0	0.29