Product name	Tested parameter	Test method
1. Gum rosin, tall rosin	Appearance	GOST 19113-84, cl.4.2
	Color	GOST 17823.4-80
	Water content (by weight)	GOST 16399-70 cl. 3
	Ash content (by weight)	GOST 19113-84 cl. 4.3
	Mechanical impurities (by weight)	GOST 19113-84 cl. 4.4
	Softening point	GOST 23863-79, method A
	Acid number	GOST 17823.1-72
	Crystallization tendency	GOST 19113-84, cl. 4.6
	Unsaponifiable matter, (by weight)	GOST 19113-84, cl. 4.7
2. Glycerol rosin esters, pentaerythritol rosin esters, other esters	Solution color (by iodometric scale)	GOST 19266-79, cl.1
	Color	ASTM 6166-12
	Acid number	GOST 17823.1-72
	Softening point	GOST 23863-79, method B
	Ash content (by weight)	GOST 19113-84, cl. 4.3
3. Synthetic fatty acids (of natural origin) and their mixtures	Appearance	TU 9146-039-58604719-2005 cl. 4.2
	Mechanical impurities (by weight)	GOST 19113-84 cl.4.4
	Acid number	GOST 29039-91 cl. 2.11
	Saponification number	GOST 5478-90
	Iodine number	GOST 5475-69 cl. 2
	Freezing point	GOST 20287-91, method B
	Unsaponifiable matter, (by weight), %	GOST 5479-64
	Color	GOST 23710-86
	Mass fractions of methyl ethers of individual fatty acids (in relation to their sum)	GOST 31663 GOST 21533 cl.9
	Water content (by weight)	GOST 2477-65
	Moisture and volatiles content (by weight), %	GOST 11812-66
	Fractional composition (mass fraction of fatty acids methyl ethers) C_{10}; C_{12}; C_{14}; C_{16}; C_{18}; $C_{18:1}$; $C_{18:2}$; $C_{18:3}$; higher than C_{18};	GOST 31663-2012
4. Rosin- and fatty acids based emulsifiers	Acid number	GOST 17823.1-72
	Free resin acids content, (by weight)	GOST R 50378-92
	pH	pH meter used guide
	Color, mg I_2/100 cm^3	GOST 19266-79, section 1

5. Petroleum extracts (distillate extracts, residual extracts, extender oils)	Kinematic viscosity: at 40°C, at 100°C	GOST 33-2000; ASTM D445-10;
	Aniline point	GOST 12329-77; ASTM D611-07
	Refractive index at 20°C	GOST 18995.2-73; ASTM D1218-02; user guide for Mettler Toledo RE 40D digital refractor
	Refractive index at 50°C	ASTM D1747-09, user guide for Mettler Toledo RE 40D digital refractor
	Flash point (open crucible)	GOST 4333-87; ASTM D92-10
	Pour point	GOST 20287-91 ASTM D97-09
	Sulfur content (by weight)	ASTM D1552-08 ASTM D4294
	Water content (by weight)	GOST 2477-65; ASTM D 95-05(2010) ASTM D 6304
	Mechanical impurities (by weight)	GOST 6370-83
	PAH extract content	IP 346-96 GOST R 55394-2013
	Viscosity-gravity constant	ASTM D2501-91(2005)
	Carbon content (aromatic rings)	ASTM D2140-08
	Acid number	ASTM D 664-11A
	DMSO content (in oil)	The method of DMSO content determination (by gas chromatography) is approved by Federal Institution Nizhny Novgorod Center for Standardization and Metrology, approval certificate No. 644/1700
6. Gum turpentine	Density at 20ºC	GOST 1571-82, cl. 4.2
	Refractive index	GOST 18995.2-73 GOST 1571-82, cl. 4.3
7. Hydroperoxide based on hydrogenated terpene hydrocarbons	Refractive index at 20°C	GOST 18995-73

8. Tall oil	Acid number	GOST 17823.1-72
	Moisture content (by weight)	GOST 16399-70, cl.3
	Saponification number	GOST 5478-90
	Free resin acids content, (by weight)	GOST 50378-92
	Unsaponifiable matter, (by weight)	GOST 5479-64
9. Hydrogen peroxide	Appearance and color	GOST 177-88, cl.3.2
	Hydrogen peroxide content (by weight)	GOST 177-88, cl.3.3
10. Iodine	Iodine content (by weight)	GOST 545-76, cl. 3.2 GOST 4159-79, cl.4.3
11. Potassium hydroxide (industrial), potassium hydroxide	Appearance	GOST 9285-78, cl.4.2 TU 2132-035-13693708-2006 cl.5.3
12. Potassium hydroxide (industrial), potassium hydroxide	Mass fraction of caustic alkali (KOH +NaOH), mg KOH	GOST 9285-78, cl.4.4 TU 2132-035-13693708-2006 cl.5.4
13. DMSO	Density at 20°C	GOST 18995.1-73
	Water content (by weight)	GOST 14870-77, cl. 2 (Fischer method)
	Refractive index at 20°C	GOST 18995.2-73
14. Orthophosphoric acid	Orthophosphoric acid content (by weight)	GOST 6552-80
	Appearance	GOST 6552-80
15. Pinane (industrial)	Density at 20°C	GOST 18995.1-73
	Refractive index at 20°C	GOST 18995.2-73
16. Petroleum paraffin (liquid), fraction C10-C13	Appearance	TU 0255-021005766480-2006, cl.4.4
	Density at 20°C	GOST 3900-85, cl.1
17. AFTISOTDOR adhesion additive Triethylene-glycol rosin ester	Dynamic viscosity	ASTM D 2196-10
18. EDiSKAN complex emulsifier	Abietic index	M 24 5380-002.01-2012-57184067, the method is approved by Federal Institution Nizhny Novgorod Center for Standardization and Metrology, approval certificate No.755/01.00269/2012

19. DisKaS rosin	Dehydroabietic index	M 24 5380-002.01-2012-57184067, the method is approved by Federal Institution Nizhny Novgorod Center for Standardization and Metrology, approval certificate No.755/01.00269/2012
20. Petroleum extracts (distillate extracts, residual extracts, extender oils)	Density at 20°C, at 15°C	GOST 3900-85
21. Petroleum extracts (distillate extracts, residual extracts, extender oils)	Density at 20°C, at 15°C	ASTM D1298-05
22. Petroleum extracts (distillate extracts, residual extracts, extender oils)	Determination of benz(a)pyrene (BaP) content and selected polycyclic aromatic hydrocarbons (PAH) content in extender oils	DIN EN 16143
23. Tall rosin	Appearance	GOST 14201-83, cl. 4.2
	Ash content (by weight)	GOST 14201-83, cl. 4.3
	Mechanical impurities (by weight)	GOST 14201-83, cl. 4.4
	Unsaponifiable matter, (by weight)	GOST 14201-83, cl. 4.6

QIIC carries out the sampling of all products included in the scope of accreditation.