



Tosol-Sintez-Invest LTD

606000, Dzerzhinsk Nizhny Novgorod region., Vatutina - 31a
tel/fax: (8313) 21-89-38, 274-101, e-mail: ts@t-s.ru, www.t-s.ru

CERTIFICATE OF QUALITY № 3434 d/d 24.09.2018

Heat transfer fluid

® EKOTERM® (Super concentrate)

Technical Requirement 2422 – 075 – 36732629 – 2009,

Production date 23.09.2018

Lot number 3434

Number of units 94

Net weight 1049,04kg

QUALITATIVE CHARACTERISTICS

№	Description of characteristics	Standards under TR 2422 – 075 – 36732629– 2009	Test report
1	Appearance	Homogenous transparent colored liquid without mechanical impurities	<i>Homogenous transparent liquid of red color without mechanical impurities</i>
2	Density at 20°C, g/sm, ³ not less	1,100	<i>1,116</i>
3	Chilling temperature, °C, not more	Minus 30	<i>Minus 32</i>
4	Resistance to hard water	without deposition and sediment	<i>absence</i>
5	Boiling temperature at 101.3kPa, °C, not less	120	<i>145</i>
6	Alkalinity, cm ³ , not less	10	<i>15</i>
7	Foaming: -foam amount within 5 min at 88 °C,sm ³ , not more -foam extinguishing time, s, not more	30 5	<i>15 2</i>
8	pH index, at 20 °C within	7,5-10,5	<i>8,8</i>
9	Corrosion effect on metals and alloys (metal sample mass change), g/m ² day, not more - copper M-1 or M-3 - solder ПЮС-35 or ПЮС 40-2 - brass Л1-68 or Л1-63 - aluminum АК-6М2 or АЛ-9 - cast iron GH-190 normally FIAT VAZ 52205 or Сч 24-44, Сч 18-36, - steel 08 КП, 20 (10) ,08	0,1 0,2 0,1 0,1 0,1 0,1 0,1	<i>0,03 0,19 0,03 0,01 0,01 0,00</i>
10	Effect on standard rubber samples at (100±2) ⁰ C within (72±2) hours., %, not more - mark 5006 - mark 7011	5 5	<i>3,0 1,3</i>
11	Mechanical impurities content, % wt., not more	0,03	<i>absence</i>

CONCLUSION: The production meets technical requirement **TR 2422 – 075 – 36732629 – 2009**

Guaranteed shelf life – 5 years

The tests are conducted in a certified analytical laboratory which complies with standards ГОСТ ИСО/МЭК 17025-2009. Accreditation certificate № РОСС RU.0001.518854 dated 01.02.2012.

Head of laboratory:

/ Sinitsina O.K./



If any questions arise concerning the products quality please contact the following phone number (8313) 219-552