



BP0402-SC053

Version: 7.0

Synthetic Rubber Factory (FSK) Elemir
HIP-Petrohemija d.o.o.

Identification number:
TUS-HIPP-1286

Date:
26.04.2024

**RAW MATERIAL SPECIFICATION
Tertiary dodecyl mercaptan (TDM)**

1. Product Name / Chemical Name:	Tertiary dodecyl mercaptan/ <i>Tertiary dodecyl mercaptan</i>				
2. SAP code:	8111929				
3. Technical description:	TDM is used in the production of SBR – styrene butadiene rubber as a regulator of molecular weight of polymers obtained by cold emulsion copolymerization in FSK (Synthetic Rubber Factory). CAS No.: 25103-58-6 EC No.: 246-619-1				
4. Physical and chemical characteristics:	Item No.	Characteristic	Method	Unit	Range of allowed values
	1.	Mercaptan content	Internal method	wt %	97.0 – 99.0
	2.	Density at 20°C	ASTM D 1298	g/cm ³	0.857 – 0.863
	3.	Refractive Index	ASTM D 1747	n _D ²⁰	1.465 – 1.469
	4.	Mercaptan sulfur	*	wt %	15.5 – 16.0
	5.	Color	ASTM D 1209	APHA	10 – 20
	6.	Appearance	Visual	-	Clear to light yellow liquid
*computational					
5. Technical/accompanying documentation:	The Supplier is obliged to submit: - safety data sheet, in Serbian - testing report - safety measures data sheet - delivery note				

6. HSE requirements:	-
7. Delivery and labeling:	<p>The chemical is supplied in the form of liquid, in tank trucks or ISO tanks (portable mobile tanks according to the European standard)</p> <p>Each package unit must have a list with the following information:</p> <ul style="list-style-type: none"> - date - product name - manufacturer's data (company) - lot / batch number - net mass of the package unit - production date - usability date
8. Transport:	Auto transport
9. Product eligibility criteria:	<p>Quality compliance with the requirements - The product is in compliance with the specified requirements if it meets the permissible tolerances on all points, or all the requirements given in this specification and if it successfully passes the industrial trial</p> <p>Uniformity of delivery quality - The delivery of the input material should correspond to the approved procurement sample. The sample is tested according to the Control and testing plan for input raw materials and chemicals in the FSK. The manufacturer must submit information on changes in its production process and place of production, as well as samples of products produced under new conditions. After examining the documentation, sample testing, and a positive outcome of the industrial trial, the FSK shall approve the application and delivery of the input material.</p> <p>Delivery acceptance criterion – The criterion is met if the input control confirms the quality and quantity in relation to the accompanying documentation and the requirements on all points of this specification</p>