HIP PETROHEMIJA	BP0402-SC057
	Version: 7.0
Synthetic Rubber Plant (SBR) Elemir HIP-Petrohemija d.o.o.	Identification number: TUS-HIPP-1290
	Date: 05.09.2024

SPECIFICATION OF THE INPUT MATERIAL

Potassium hydroxide 45%

1. Product name/chemical name:	Potassium hydroxide 45% water solution
2. SAP code:	8127610
3. Technical description:	Potassium hydroxide is used in the production process of styrene butadiene rubber (SBR) to saponify the fatty acid and create a buffer environment in the emulsifier. CAS number: 417661
4. Physical and chemical characteristics:	See table below
5. Technical/accompanying documentation:	The Supplier is obliged to submit: - Safety data sheet, in Serbian - Test report - Data sheet on safety measures

Item number	Characteristic	Method	Unit	Range of allowed values
1.	Potassium hydroxide content	Internal method	Wt. %	44.5 – 45.5
2.	Carbonate content (CO_3^{2-})	*	Wt. %	Max. 0.2
3.	Chloride content	*	Wt. ppm	Max. 50
4.	Iron content	*	Wt. ppm	Max. 40
5.	Nickel content	*	Wt. ppm	Max. 4
6.	Sulphate content (SO_4^{2})	*	Wt. ppm	Max. 50
7.	Copper content	*	Wt. ppm	Max. 1
8.	Manganese content	*	Wt. ppm	Max. 1
9.	Appearance	Visual	-	Colourless oily liquid

*Testing shall be performed upon request outside the SBR

	- Delivery note
6. HSE requirements:	-
7. Delivery and labelling:	The chemical is delivered in a liquid state, in tank trucks. Each tank truck must have a list with the following data: - Date - Product name - Data on the manufacturer (company) - Lot/batch number - Net mass of the package unit - Production date - Usage date
8. Transport:	Transport by cars
9. Product eligibility criteria:	Quality compliance with the requirements - The product is in compliance with the specified requirements if it meets the allowed tolerances in all aspects or all the requirements given in this specification. Uniformity of delivery quality - Delivery of the input material should correspond to the approved sample for procurement. The sample is tested according to the Control and testing plan of input raw materials and chemicals in the SBR. The manufacturer must submit information on changes in its process of production and place of production, as well as samples of products produced under new conditions. After examining the documentation and testing the sample, the SBR gives its consent for the application and delivery of the input material. Delivery acceptance criterion - The criterion is met if the quality and quantity in relation to the accompanying documentation as well as the requirements in all aspects of this specification are confirmed by the input control.