 PETROHEMIJA FSK Elemir Synthetic Rubber Factory	INPUT MATERIAL SPECIFICATION	Code: BP0402-SC064 Issue: 6 Page: 1 of 3
Name: PARAMENTHANE HYDROPEROXIDE		

1. SUBJECT AND PURPOSE OF THIS SPECIFICATION:

This specification defines properties required for PARAMENTHANE HYDROPEROXIDE to be used in the SBR production process as SBR polymerization initiator, at FSK Elemir, and it serves as a basis for establishing the input material quality compliance with the specified requirements, i.e. as acceptance criterion.

2. APPLIED IN:

Purchasing Department
 Production Planning
 SBR Production
 FSK Quality Department
 FSK Laboratory Department
 FSK Logistics Office

3. REFERENCES TO OTHER DOCUMENTS:

MP0600-PR001 IMS Document Control Procedure
 BP0300-PR001 Purchase Procedure
 BP0402-PK457 FSK Inspection and Test Plan for Input Raw Materials and Chemicals
 Standards / Methods:
 ASTM D 1298, ASTM D 1747

4. MADE BY: SBR Production Senior Engineer, Milan Asurdžić
 Head of Laboratory Department, Milica Saravolac

5. CONTROLLED BY: Senior Quality Engineer, **Snežana Jovin**
Production Manager, Kosta Petrović


6. APPROVED BY: FSK Manager, **Marija Budimir**

7. THIS SPECIFICATION IS TO BE DELIVERED TO:

Hard copy:

Production Department Manager (1x)
 Quality and Standardization Department Manager (1x)
 Purchasing Department Manager (1x)
 Production Planning Manager (1x)
 FSK Manager / Senior Quality Engineer (1x)
 Head of Laboratory Department (1x)

	Made by:		Controlled by:		Approved by:	Applied since	Copy No.
Position	Lead Production Engineer	Head of Laboratory Department	Senior Quality Engineer	Production Manager	FSK Manager	07.10.2022	
Name:	M. Asurdžić	M. Saravolac	S. Jovin	K. Petrović	M. Budimir		
Signature:							

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8. TECHNICAL PROPERTIES

CAS Number: 26762-92-5
EC Number: 247-987-6

Table 1 shows the specified technical properties of PARAMENTHANE HYDROPEROXIDE which are necessarily checked before delivery acceptance, in accordance with the FSK Inspection and Test Plan for Input Raw Materials and Chemicals (BP0402-PK457).

Ord. No.	PROPERTY	METHOD	UNIT	ACCEPTABLE VALUES
1.	Hydroperoxide content	FSK interernal 10.2.19.1	wt %	min 50
2.	Acid number	FSK internal 10.2.19.2	mgKOH/g	max 8
3.	Density at 20 °C	ASTM D 1298	g/ml	0,88 – 0,92
4.	Refraction index	ASTM D 1747	n_D^{20}	1,454 – 1,466
5.	pH water extract, 50/50	FSK internal 10.1.3		min 4
6.	APHA color	*	HAZEN	max 100
7.	Active oxygen	*	wt %	min 4,64
8.	Appearance	Visual		Colorless to slightly yellow liquid

*Upon request testing is done out of FSK

9. DELIVERY AND PACKAGING:

9.1. FORM (STATE) OF INPUT MATERIAL: liquid


9.2. DELIVERY: tank cars

9.3. TRANSPORT: tank trucks or railway transport

9.4. ALTERNATIVE DELIVERY AND/OR PACKAGING: IBC container

	Made by:		Controlled by:		Approved by:	Applied since	Copy No.
Position	Lead Production Engineer	Head of Laboratory Department	Senior Quality Engineer	Production Manager	FSK Manager	07.10.2022	
Name:	M. Asurdžić	M. Saravolac	S. Jovin	K. Petrović	M. Budimir		
Signature:							

MP0600-OB007

 <p>PETROHEMIJA FSK Elemir Synthetic Rubber Factory</p>	INPUT MATERIAL SPECIFICATION	Code: BP0402-SC064 Issue: 6 Page: 3 of 3
Name: PARAMENTHANE HYDROPEROXIDE		

10. MARKING AND ACCOMPANYING DOCUMENTS

Each packaging unit must have clearly written data as follows:

- Product name
- Manufacturer's data (Company name)
- Batch/lot number
- Packaging unit net mass
- Production date
- Expiry date

Each batch/lot of a single delivery must be accompanied by the following documents:

- test report
- safety data sheet
- delivery note

11. PRODUCT ACCEPTABILITY CRITERION

11.1 QUALITY CONFORMITY TO REQUIREMENTS

Product conforms to the requirements if its properties are within the allowable tolerances in all the points, and if all the requirements of this specification are fulfilled.

11.2 CONSISTENT QUALITY DELIVERIES

Input material delivery must comply with the approved sample for purchasing. A sample for purchase approval is inspected in accordance with the FSK Inspection and Test Plan for Input Raw Materials and Chemicals.

The supplier is obliged to submit information about any modification(s) in its production process and change(s) referring to its production location, as well as to deliver samples produced under the new conditions.

After documents and samples inspection is completed the Synthetic Rubber Plant shall issue an approval for input material application and deliveries.

11.3 ACCEPTABILITY CRITERION

The criterion for delivery acceptance shall be satisfied if the inlet inspection certifies quality and quantity as stated in the accompanying documents and if all the requirements of this specification are fulfilled.

	Made by:		Controlled by:		Approved by:	Applied since	Copy No.
Position	Lead Production Engineer	Head of Laboratory Department	Senior Quality Engineer	Production Manager	FSK Manager	07.10.2022	
Name:	M. Asurdžić	M. Saravolac	S. Jovin	K. Petrović	M. Budimir		
Signature:							