 PETROHEMIJA FSK Elemir Synthetic Rubber Factory	INPUT MATERIAL SPECIFICATION	Code: BP0402-SC054 Issue: 5 Page: 1 of 3
Name: SODIUM RESIN SOAP		

1. SUBJECT AND PURPOSE OF THIS SPECIFICATION:

This specification defines required properties of SODIUM RESIN SOAP which is used in the SBR production process for preparing emulsifier for SBR emulsion polymerization at FSK – Elemir, and it serves as a basis for establishing the input material quality compliance with the specified requirements, i.e. as acceptability criteria.

2. APPLIED IN:

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

3. REFERENCES TO OTHER DOCUMENTS:

MP0600-PR01 IMS Document Control Procedure
BP0300-PR01 Purchasing Procedure
BP0402-PK457 FSK Inspection and Test Plan for Input Raw Material and Chemicals
Standards / Methods:
ASTM E 203, ASTM D 803, ASTM D 1065
DIN 6162
FSK internal: 10.2.06.3, 10.2.06.4, 10.2.06.5






4. MADE BY: SBR Production Senior Engineer/Head of Laboratory Department


5. CONTROLLED BY: Assistant Production Manager/ Chif quality engineer

6. APPROVED BY: FSK Manager

7. THIS SPECIFICATION IS TO BE DELIVERED TO:

Production Dept. Manager (1x)
Quality and Standardization Dept. Manger (1x)
Purchasing Dept. Manager (1x)
Production Planning Manager (1x)
FSK Manager / Chif quality engineer (1x)
Assistant Production Manager/ SBR Production Senior Engineer
Head of Laboratory Department (1x)

	Made by:		Controlled by:		Approved by:	Applied since	Copy No
Position:	SBR Production Senior Eng.	Head of Lab. Dept.	Chif quality engineer	Assist. Product. Manager	FSK Manager	01.04.2020.	
Name:	M. Asurdžić	M. Saravolac	B. Jolović	K. Petrović	S. Petrić		
Signature:							

 PETROHEMIJA FSK Elemir Synthetic Rubber Factory	INPUT MATERIAL SPECIFICATION	Code: BP0402-SC054 Issue: 5 Page: 2 of 3
Name: SODIUM RESIN SOAP		

8. TECHNICAL PROPERTIES






CAS number: 61790-51-0
EC number: 263-144-5


Sodium resin soap is a mix of sodium salts of dehydrodihydro and tetrahydro-abietic acid (sodium salt of disproportionated colophonium).

Table 1 shows the specified technical properties of SODIUM RESIN SOAP which are necessary to be 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	RANGE OF ALLOWABLE VALUES
1.	Solids content	ASTM E 203	wgt %	68 – 72
2.	Acid number	ASTM D 803	mgKOH/g	10 – 12
3.	Abietic acid content	FSK int.10.2.06.3	wgt %	max 0,5
4.	Dehydroabietate content	FSK int.10.2.06.3	wgt %	35 – 40
5.	Bound sulphur content	FSK int.10.2.06.4	wgt %	max 0,2
6.	Content of unsoapy matters (to soap solids)	ASTM D 1065	wgt %	max 13
7.	Iron content	FSK int.10.2.06.5	wgt ppm	max 15
8.	Copper content	*	wgt ppm	max 1
9.	Manganese content	*	wgt ppm	max 1
10.	Colour IODINE (30% in IPA)	DIN 6162	mgJ ₂ /100 ml	max 7
11.	Appearance	Visual		light umber paste

*Upon request testing made out of FSK location

	Made by:		Controlled by:		Approved by:	Applied since	Copy No
Position:	SBR Production Senior Eng.	Head of Lab. Dept.	Chif quality engineer	Assist. Product. Manager	FSK Manager	01.04.2020.	
Name:	M. Asurdžić	M. Saravolac	B. Jolović	K. Petrović	S. Petrić		
Signature:							

 PETROHEMIJA FSK Elemir Synthetic Rubber Factory	INPUT MATERIAL SPECIFICATION	Code: BP0402-SC054 Issue: 5 Page: 3 of 3
Name: SODIUM RESIN SOAP		

9. DELIVERY AND PACKAGING:

9.1. FORM (STATE) OF INPUT MATERIAL: Viscous paste (60°C)

9.2. DELIVERY: tank cars

9.3. TRANSPORT: tank trucks or wagons equipped with heating system (60°C)

9.4. ALTERNATIVE DELIVERY AND/OR PACKAGING: None

10. MARKING AND ACCOMPANYING DOCUMENTS

Each packaging unit must have clearly written data as follows:

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

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

- test report
- safety data sheet
- delivery note

11. CRITERION FOR ESTABLISHING PRODUCT ACCEPTABILITY

11.1 QUALITY CONFORMITY TO REQUIREMENTS

A 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 CRITERION FOR ACCEPTABILITY

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:	SBR Production Senior Eng.	Head of Lab. Dept.	Chif quality engineer	Assist. Product. Manager	FSK Manager	01.04.2020.	
Name:	M. Asurdžić	M. Saravolac	B. Jolović	K. Petrović	S. Petrić		
Signature:	