

SYLVAROS™ NCY Tall Oil Rosin

PRODUCT DATA SHEET

SYLVAROS NCY Tall Oil Rosin is an unmodified fraction from the refining of Tall Oil, a renewable resource. This product is characterized by its standard color and low fatty acid content.

FEATURES

- Low tendency to crystallize
- Contains higher molecular weight species
- 40-45% PAN isomers
- SYLVAROS NCY tall oil rosin contains 100% USDA certified biobased content

POTENTIAL APPLICATIONS

- Rubber Chemicals
- Ink Resins
- Coatings
- Adhesives

SALES SPECIFICATIONS

| Property | Test Method* | Specification | Typical Value |
|-------------------------------|--------------|---------------|---------------|
| Acid Number (mg KOH/g) | AQCM 001 | 162 -185 | 166 |
| Color, Gardner | AQCM 002 | 8 Maximum | 6.7 |
| Softening Point, Mettler (°C) | AQCM 003 | 69 - 85 | 73 |
| Fatty Acids (%) | AQCM 024 | 4 Maximum | 3.6 |

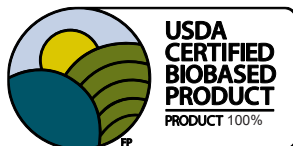
*Kraton test methods are available upon request

TYPICAL VALUES

| Property | Test Method* | Typical Value |
|-------------------------|--------------|---------------|
| Rosin Acids (%) | ACQM 010 | 85 |
| Abietic Acid (%) | AQCM 022 | 35 |
| Dehydroabietic Acid (%) | AQCM 022 | 17 |
| Unsaponifiables (%) | ACQM 011 | 5 |

*Kraton test methods are available upon request

| | |
|-------------------------------|---|
| SOLUBILITY | SYLVAROS™ NCY Tall Oil Rosin is soluble in aromatics and many alcohols and insoluble in water. |
| COMPATIBILITY | SYLVAROS NCY Tall Oil Rosin is compatible with other molten rosins and vegetable oils. |
| PACKAGING | SYLVAROS NCY Tall Oil Rosin is available as a liquid in tank trucks, tank cars (subject to availability), or galvanized (475 or 496 lb.) steel drums. |
| STORAGE RECOMMENDATION | To be stored in dry area, below 25 °C / 77 °F and away from direct sun light. Material may crystallize due to extended storage or slow cooling. To return to a molten state, material must be heated to at least 150°C with agitation. Heating under nitrogen is recommended for color sensitive applications. |



The USDA Certified Biobased Product label is a certification mark of the U.S. Department of Agriculture.

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