

## SYLVAROS™ DR 731D Disproportionated Rosin

### PRODUCT DATA SHEET

SYLVAROS DR 731D Disproportionated Rosin is a pale, highly colour stable resin with a rosin acid content of about 90%. The proportions of the abietic and pimaric acid groups vary depending on the type of pine wood as well as the sourcing location and the method of treating the rosin.

#### FEATURES:

- Light colour
- Very good colour stability

#### POTENTIAL APPLICATIONS:

- Emulsifiers for polymerization
- Pigment coating
- Solvent based adhesives and hotmelts
- Adhesives tapes
- Rubber products
- Laquers
- Sealants
- Paper sizing agents
- Marine coatings
- Esters and other rosin derivatives

#### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number (mg KOH/g)	AQCM 001	150 – 170	153
Colour, US Rosin Standards	AQCM 062	WG or better	WW
Unsaponifiables (%)	AQCM 011	Max 13	11
Abietic Acid by UV (%)	AQCM 212	Not detectable	0
Dehydroabietic Acid by UV (%)	AQCM 212	Min 45	53
Drop Point (°C)	AQCM 213	Min 85	87
Saponification Number (mg KOH/g)	AQCM 019	152 – 173	162
Iodine Number (g/100 g)	AQCM 233	85 – 115	92
Iron (mg/kg)	AQCM 018	Max 10	5

\*KRATON test methods are available upon request

#### Contact us:

Almere (NL): +31 (0)36 54 62 800  
 Savannah (US): + 1 (912) 238-6439  
 Shanghai (CN): + 86 21 6434 8898  
[www.kraton.com](http://www.kraton.com)

<p><b>SOLUBILITY</b></p>	<p>SYLVAROS™ DR 731D Disproportionated Rosin is soluble in all common organic solvents and practically insoluble in water (less than 10 mg/l at 20 °C).</p>
<p><b>PACKAGING</b></p>	<p>SYLVAROS DR 731D Disproportionated Rosin is delivered in pastille form in 25 kg bags or as molten in heated tank trucks or ISO containers. Loading temperature for molten deliveries is at least 180 °C. Since the rosins tend to crystallize at temperatures between 110 °C and 140 °C, the discharge temperature should also be at least 160 °C.</p>
<p><b>STORAGE RECOMMENDATION</b></p>	<p>SYLVAROS DR 731D Disproportionated Rosin pastilles should be stored below 30 °C. In temperatures above 20 °C the pallets should be single stacked to avoid compression of the material. If re-massing still occurs tapping the bags will normally restore the free flowing properties.</p> <p>Under correct conditions SYLVAROS DR 731D Disproportionated Rosin pastilles should have a shelf life of at least 12 months from the date of production. Average oxygen absorption is less than 0.2 % (w/w) over a period of 4 weeks. The material may, however, deteriorate slightly in colour if stored for a prolonged period exposed to air. Molten rosin at higher temperatures should be blanketed with an inert gas to prevent any possibility of oxidation by atmospheric oxygen.</p>

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