

Voxtar™ D100

Product Description

Voxtar™ D100 is a renewable-based Di-Pentaerythritol ready to be dropped into existing formulations. Based on a traceable mass balance concept applying chemical and physical traceability, this Pro-Environment product is designed to reduce the carbon footprint throughout the value chain and to support sustainable sourcing of renewable and recycled raw materials.

Voxtar™ D100 is based on 100% renewable carbon content and carries the ISCC PLUS certification for the mass balance and the calculation of the product's greenhouse gas value. This third party certification also ensures that the sustainable raw materials used are sourced responsibly and sustainably from cradle to gate.

To see our full range of Pro-Environment products, visit our website.

Segment Applications

Alkyd resins, Radiation curing and Synthetic lubricants

Delivery Forms

Type C bag 500 kg



Voxtar™ was launched in 2010 as the world's first renewable pentaerythritol. A true frontrunner which started our journey into a now extensive portfolio of Pro-Environment products. Voxtar™ is the sustainable choice to meet the changing needs of your customers, your business, and the planet.

Voxtar™ D100

Sales Specification

Characteristics	Unit	Specification	Analytical Method ¹	Comment
Di-Pentaerythritol content	%	Min. 90	PO 115-3	
Hydroxyl number	mg KOH/g	1310 -1340	PO 100-2	2

1. Analytical methods are available on request

2. As OH-percentage, 39.7 – 40.6

General Characteristics

Characteristics	Unit	Typical Value ¹
Ash content (as Na)	ppm	20
Water content	%	0.05
Phthalic color	Gardner	3

1. Typical values are for information only and not part of sales specification

Pro-Environment Information

Renewable carbon content is 100% based on mass balance concept.

PCF* Including Biogenic CO₂ Uptake: -0.6 kg CO₂ eq/kg product
Biogenic CO₂ Uptake: 1.7 kg CO₂/kg product

ISCC PLUS certified product.

*Cradle-to-Gate value. All PCF values are calculated based on ISCC, Together for Sustainability, and GHG protocol methodology. The PCF value stated above is updated on a yearly basis, actual values may differ over the year and are stated in the sustainability declaration document.

Handling and Storage

Voxtar D100 is a non-hygroscopic product. However, it should be stored under dry conditions, in sealed bags, and protected from direct sunlight.

CAS No.: 126-58-9
HS No.: 2909 49
EC (EINECS) no.: 204-794-1
REACH registration No.: 01-2119473984-22-0000



Effective date: May 4, 2023

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