

**Test Certificate No. 22 0012343-17K-E**

14.01.2020

**Client**

Allegro Capital, Logistics & More GmbH  
Linsellesstr. 97  
47877 Willich

**Date of order**

23.05.2017

**Receipt of sample**

23.05.2017

**Test period until**

03.08.2017

**Order**

Test of an oil binding agent in terms of the requirements published by the BMU Advisory Board LTwS (LTwS script no. 27)  
Status: April 1998; LTwS-no. 27 (June 1999).

**Sample type**

Oil binding agent based on organic sediment

**Identification**

Sørb

**Description of sampling**

The sample material was submitted by the customer.

This test certificate is valid until 11.08.2023

The test results refer only to the above mentioned test/test specimen. Only the unchanged form and contents of test certificates may be published or copied without approval of the MPA NRW. The condensed version of the test results is permissible only with approval of the MPA NRW.

This test certificate consists of 3 pages.

**This document was originally written in German. In cases of doubt the German version shall prevail.**

**Description of the tests / underlying regulations**

„Requirements for oil binding agents“, Status: April 1998; LTWS-no. 27 (June 1999).

- In response to the question concerning the occupational medical and environmental harmlessness of using oil binding agents for petroleum accidents (paragraph 2.1.5.1 of the Specifications).  
 The occupational medical and environmental certificate dated 31.07.2017 is available from the Hygiene Institute in Gelsenkirchen.
  
- In order to ensure the general requirements according to section 2.1.6 of the "requirements for oil binding agents ", the manufacturer's guarantee declaration dated 09.08.2017 is available.

**Summary table oil absorbent „Sorb“**

Properties	Section of regulation	Property/ Test conditions	Result		Requirement/ Remark
			unit	MV	
Bulk density	4.3	Determination of the bulk density in a standardized test vessel with application of a surface load of 0.1 bar	g/l	139	--
Moisture content		Drying to constant mass at 105 ° C	wt.-%	51,3	--
Oil binder demand	4.5	Determination of mass of hydrocarbons absorbed by a certain quantity of product			Testing on dried material
		x g absorbs 100 g oil	g	26	--
		x ml absorbs 100 ml oil	ml	152	--
		1l absorbs x l oil	l	0,66	--
		Oil binder demand	vol.-%	152	type III max.350

Properties	Section of regulation	Property/ Test conditions	Result		Requirement/ Remark
			unit	MV	
Floatability	4.6	Determination of floatable fractions without oil with oil	vol.-%	≥ 95 ≥ 95	type I ≥ 95 ≥ 95
Ability to hold oil	4.7	After an exposure time of two hours no oil (0,82 g/ml) could be released.  Additional requirement	vol.-% wt.-%	286 47	type III max.350 --
Grain size distribution	4.8	sieving: > 4 mm 4 – 0,5 mm 0,5 - 0,125 mm < 0,125 mm	wt.-%	5,3 72,1 19,6 2,9	≤10
SRT-value	4.9	Determination of the change in the slip resistance of a reference test surface, which was treated with a binder after contamination with the test liquid	%	3	≤ 20

### Summary of the results

The tested oil binder "Sørb" complies with the "Requirements for Oil Binding Agents" (LTwS script no. 27) for type I, II, III SF R.

The package should be marked as following: „ Keep dry and spread only in case of damage“.

This test certificate is valid until 11.08.2023. It can be renewed according to No. 5 of the Specifications.

Dortmund 14.01.2020

By order

Tuschy  
 Official in charge

