

TEST CERTIFICATE

No. 22 001 0213-13-E

Client

Oilex GmbH
Dujardinstraße 7
47829 Krefeld

Date of order: 23.08.2013
Receipt of sample: 23.08.2013

Order

Test the oil binding agent "Oilex" according to the Specifications for Oil Binding Agents; revised version, February 28, 1990 – published by the Federal Environment Ministry on March 12, 1990 and April 23, 1998.

Sample type

Oil binding agent based on peat

Identification

"Oilex"

1. Test Specifications / Underlying Regulations

Specifications for Oil Binding Agents, revised on February 28, 1990
Test incl. point 4.9 of the Requirements: Suitability for circulation area



Deutsche
Akkreditierungsstelle
D-PL-11142-01-02

This test certificate is valid until May 27.09.2019

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.

2. Summary of the Results

The oil binding agent "Oilex" complies with the Specifications for Oil Binding Agents for type I, II, III R.

2.1 General information

2.1.1 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), an occupational medical and environmental certificate dated 11.09.2013 is available from the Hygiene Institute in Gelsenkirchen.
Requirements: None

2.1.2 Corresponding warranty explanations (23.08.2013) from the manufacturer are available concerning the guarantee of the general specifications according to paragraphs 2.1.1 b, c, d and the shelf life according to paragraph 2.1.6 of the Specifications for Oil Binding Agents.

2.2 Packed weight (according to paragraph 4.3)	134g/L
Moisture contents	38.4 wt.-%

The tests had been carried out with conventional diesel fuel according to EN 590 – TC 19 - Mineralöl-Sommertyp.

2.3 Requirements for oil binding agents (according to paragraph 4.4)

The tests had been carried out with dry material.

43 g oil absorbent absorbs 100 g oil
263 ml oil absorbent absorbs 100 ml oil
1 liter oil absorbent absorbs 0.38 L oil

1 kg oil absorbent absorbs 2.84 L oil
1 kg oil absorbent absorbs 2.33 kg oil

A correction according to paragraph 4.7 of the Specifications was necessary when determining the requirements for oil binding agents.

Requirements for oil binding agents

Typ I	max. 350 volume %
Typ II	max. 600 volume %
Typ III	max. 350 volume %

Acquired value: 263 volume %

Requirements for oil binding agents are without consideration of additional requirements due to compressive stress.

1 liter oil absorbent absorbs 0.52 L oil.

2.4 Floatability (according to paragraph 4.6)

Floating proportions without oil: ≥ 95 volume %
Floating proportions with oil: ≥ 95 volume %

The quantity of oil (according to paragraph 4.5) was maintained.

2.5 Ability to hold oil (according to paragraph 4.7)

After an exposure time of two hours no oil could be released.
Additional requirements of the oil absorbent in the exposure test was 27 wt.-%.

2.6 Fraction size (according to paragraph 4.8)

> 4 mm	8 wt.-%
4 – 0.5 mm	54.1 wt.-%
0.5 – 0.125 mm	33.1 wt.-%
< 0.125 mm	4.8 wt.-%

Permitted fractions (> 4 mm): 10 wt.-%
Acquired value: 8 wt.-%

2.7 Suitability for traffic areas (according to paragraph 4.9)

The test produced a change in the SRT value by 2 units or 4 %.

Maximum change allowed in the SRT value: 20 %

Acquired value: 4 %

The oil absorbent is therefore marked as being suitable for traffic areas.

2.8 The package should be marked as the following:
"Keep dry and use only in case of damage."

3 Overall assessment

The tested oil binding agent "Oilex" complies with the Specifications for Oil Binding Agents for type I, II, III R published by the Federal Environment Ministry on March 12, 1990 and April 23, 1998.

This test certificate is valid until 27.09.2019. It can be extended in accordance to no. 5 of the Specifications.

Dortmund, 27.09.2013

By order



Pradel

