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Certificate of Analysis

BASF SE

Attention! Please note that the certificates of analysis are also conveniently available on your BASF online portal.

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Certificate No 855

QUALITY-CONTROL-EMC@BASF.COM  
E-EMC/OP

Inspection Certificate 3.1 according to EN 10204

Kolliphor® PS 80

190KG Steel drums  
Purchase order/Customer material  
PO03463  
000000000050729133

|           |                   |
|-----------|-------------------|
| Material  | 50729133          |
| Order     | 6012038297 000010 |
| Delivery  | 3198162851 000010 |
| Batch     | 0027865662        |
| Batch/Qty | 3800.000 KG       |
| Total     | 3800.000 KG       |
| Transport | TCKU1133708       |

| Characteristic<br>Method          | Unit   | Value | Lower<br>Limit | Upper<br>Limit |
|-----------------------------------|--------|-------|----------------|----------------|
| IDENTIFICATION A (IR)<br>Ph.Eur.  |        | PASS  |                |                |
| IDENTIFICATION D<br>Ph.Eur.       |        | PASS  |                |                |
| APPEARANCE; VISUAL<br>Visual**    |        | PASS  |                |                |
| ACID VALUE<br>Ph.Eur.             | mgKOHg | 0,2   |                | 2,0            |
| HYDROXYL VALUE<br>Ph.Eur.         | mgKOHg | 74    | 65             | 80             |
| SAPONIFICATION VALUE<br>Ph.Eur.   | mgKOHg | 50    | 45             | 55             |
| PEROXIDE VALUE<br>Ph.Eur.         | mEq/KG | < 1,0 |                | 5,0            |
| MYRISTIC ACID C14:0<br>Ph.Eur.    | %(a)   | 1,6   |                | 5,0            |
| PALMITIC ACID C16:0<br>Ph.Eur.    | %(a)   | 5,0   |                | 16,0           |
| PALMITOLEIC ACID C16:1<br>Ph.Eur. | %(a)   | 0,1   |                | 8,0            |
| STEARIC ACID C18:0<br>Ph.Eur.     | %(a)   | 1,6   |                | 6,0            |
| OLEIC ACID C18:1<br>Ph.Eur.       | %(a)   | 76,6  | 58,0           |                |
| LINOLEIC ACID C18:2<br>Ph.Eur.    | %(a)   | 0,7   |                | 18,0           |
| LINOLENIC ACID C18:3<br>Ph.Eur.   | %(a)   | < 0,1 |                | 4,0            |

The above-mentioned data describes the relevant parameters of the product at the time of issuing this certificate of analysis (CoA). The data is controlled at regular intervals as part of our quality assurance program and is provided for reference only. The contractually agreed quality of the product at the time of passing of risk is exclusively determined by our product specification. Unless specifically agreed by the Parties in writing signed by authorized representatives, no suitability for a particular use shall be presumed or implied based on the CoA and the customer is solely responsible for determining and verifying the suitability of the use of the product for any purpose.



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| Characteristic<br>Method              | Unit   | Value | Lower<br>Limit | Upper<br>Limit |
|---------------------------------------|--------|-------|----------------|----------------|
| Ph.Eur.<br>ETHYLENE OXIDE (MAX.1PPM)  |        | PASS  |                |                |
| Ph.Eur.<br>DIOXANE (MAX.10PPM)        |        | PASS  |                |                |
| Ph.Eur.<br>WATER                      | %      | 2, 3  |                | 3, 0           |
| Ph.Eur.<br>ASH                        | %      | 0, 09 |                | 0, 25          |
| Ph.Eur.<br>IDENTIFICATION             |        | PASS  |                |                |
| USP/NF<br>RELATIVE DENSITY (25°C)     |        | 1, 08 | 1, 06          | 1, 09          |
| USP/NF<br>VISCOSITY; 25°C             | cst    | 409   | 300            | 500            |
| USP/NF (911)<br>ACID VALUE            | mgKOHg | 0, 2  |                | 2, 0           |
| JP<br>HEAVY METALS                    | ppm    | < 20  |                | 20             |
| JP<br>ETHYLENE GLYCOL (MAX.310PPM)    |        | PASS  |                |                |
| PM/02035<br>ETHYLENE OXIDE (MAX.1PPM) |        | PASS  |                |                |
| METHOD 2080<br>DIOXANE (MAX.1PPM)     |        | PASS  |                |                |
| METHOD 2080                           |        |       |                |                |

Manufacturer: BASF Personal Care and Nutrition GmbH

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|--------------------------|------|-------|----------------|----------------|
|--------------------------|------|-------|----------------|----------------|

Henkelstr. 67  
40589 Duesseldorf Germany

Kolliphor® PS 80 meets the test requirements of the following monographs (current version):

"Polysorbate 80" Ph.Eur.

"Polysorbate 80" USP-NF

"Polysorbate 80" JP

**\*\*Oily, colorless or yellow, clear or slightly opalescent liquid**

Date format: DD.MM.YYYY

Released by C.Warnath

Production date 18.12.2023

Release date 07.02.2024

Retest date 17.12.2026

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Material

Order

Delivery

Total

Transport

50729133

6012038297 000010

3198162851 000010

3800.000 KG

TCKU1133708

## List of Sustainability Certificates for material : 50729133

| Batch      | Document              | No.                   |
|------------|-----------------------|-----------------------|
| 0027865662 | RSPO CERTIFICATE (MB) | INTERTEK-0100208 (MB) |

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