\*\*\*Allgemeine Daten \*\*\*

1. **GENERAL DATA**

|  |  |
| --- | --- |
| Real substance name:  | Marula Oil |

|  |  |
| --- | --- |
| INCI:  | Sclerocarya Birrea Seed Oil |

|  |  |
| --- | --- |
| Optiva Raw Material Number: | R008977 |

|  |  |
| --- | --- |
| Conforms to:  |  |

|  |  |
| --- | --- |
| Purpose of use:  | plant extract  |

|  |  |
| --- | --- |
| Origin: | vegetable  |

|  |  |
| --- | --- |
| Approved by:  | Hippe, T. Tel.: +49(0)4088242462 |

|  |  |
| --- | --- |
|   | Tasker, R. Tel.: +1-203-656-782 |

|  |  |
| --- | --- |
| CITES listed:  |  |

\*\*\*Zugeordnete Materialien \*\*\*

1. **LINKED MATERIALS**

| **IDH-no.**  | **Material short text**  |
| --- | --- |
| 1403066 | Marula oil |

\*\*\*Zusammensetzung \*\*\*

1. **COMPOSITION**

| **CAS no.**  | **Chemical substance**  | **Value** | **Lower** | **Upper** | **Exp** |
| --- | --- | --- | --- | --- | --- |
| 999999-99-4  | Sclerocarya Birrea Seed Oil  | 100,00  |  |  | %  |

\*\*\* Eigenschaften \*\*\*

1. **SPECIFIED CHARACTERISTICS**

\*\*\*Allgemeine Eigenschaften \*\*\*

1. **General characteristics**

|  |  |
| --- | --- |
| Delivery form: | oil  |
| State: | clear  |
| Odour: | characteristic  |
| Colour: | light yellow, orange  |

\*\*\* **-RM-**Tabelle1 (SPEC\_UK/REG\_WRLD)\*\*\*

\*\*\*Physikalisch -Chemische Eigenschaften \*\*\*

\*\*\*ACHTUNG: hier in dieser Tabelle nur Freitext RM \*\*\*

1. **Physical-chemical characteristics**

| **No** | **Parameter** | **Range of values** | **Method** |
| --- | --- | --- | --- |
|  | Content [mass%]Protein | 0,20 % | Supplier method |
|  | Content [mass%]Free fatty acidArch / Lonza material | < 5,0 % | Supplier method |
|  | Content [mass%]Lead | < 0,1 ppm | Supplier method |
|  | Content [mass%]Arsenic | < 0,1 ppm | Supplier method |
|  | Content [mass%]Mercury | < 0,1 ppm | Supplier method |
|  | Content [mass%]Nitrosamines | < 10 ppb | Supplier method |
|  | Indication of Polycyclic aromatic hydrocarbonsBelow limits according to regulation EC 1881/2006 (food directive) | Not detectable | Supplier method |
|  | Indication of PesticidesBelow limits according to regulation EC 396/2005 (food directive) | Not detectable | Supplier method |
|  | Indication of Mykotoxins | Not detectable | Supplier method |
|  | Acid number | < 10 mg KOH/g | Supplier method |
|  | Saponification number | 150 - 200 mg KOH/g | Supplier method |
|  | Iodine number  | 70 - 100 g I/100 g | Supplier method |
|  | Peroxide value  | <= 40 meq O2/kg | Supplier method |
|  | Flash point | > 93 °C | Supplier method |
|  | Color value(type: Gardner) | < 10  | Supplier method |

\*\*\* Methoden-Tabelle1\*\*\* gelöscht RP 20150807

\*\*\* Analysenzertifikat zu Pkt IV \*\*\*

1. **Certificate of analysis**

|  |
| --- |
| **The following parameters are to be certified for each delivery.:** |
| Color number  |
| Iodine number  |
| Peroxide value  |
| Saponification value  |

\*\*\*Freigegebene Hersteller/Lieferanten \*\*\*