

**TECHNICAL DATA SHEET**

Effective date: 07.2019

Benzoin Absolute, Siam

INFORMATION ON SUBSTANCE / MIXTURE

| | |
|-----------------------|--|
| I.N.C.I. | Styrax tonkinensis resin extract |
| Country of origin | Vietnam |
| Manufacturing process | Obtained by extraction with ethyl alcohol from the gum of Styrax tonkinensis plant |
| Part used | Gum |

TECHNICAL DATA**Physical parameters**

| | |
|---------------------------|-----------------|
| Appearance | Solid |
| Color | Brown |
| Odor | Sweet, balsamic |
| Relative density (d20/20) | N.A. |
| Refractive index at 20°C | N.A. |
| Angular rotation (°) | N.A. |
| Flash point | 93°C |

Chemical parameters

| | |
|--|------|
| Hydrocarbon content | <1% |
| V.O.C. (volatile organic compound) content | N.A. |

Biological parameters

| | |
|-------------------------|---------------|
| Aerobic Bacteria (TAMC) | < 100 cfu/g |
| Yeasts and molds | < 10 cfu/g |
| Enterobacteriaceae | < 10 cfu/g |
| Salmonella | Absent in 25g |
| Escherichia coli | Absent in 1g |
| Staphylococcus aureus | Absent in 1g |

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Contaminants

| | |
|--------------------------|--|
| Heavy metals | The raw plant material conforms to EC Reg. 629/2008. Because of the concentration factor of the extraction process, the extract itself may have high levels of some heavy metals. However, at the recommended level of use per application, the final consumer product will also conform to European legislation. |
| Pesticides | The raw plant material conforms to EC Reg. 839/2008 amending EC Reg. 396/2005. Because of the concentration factor of the extraction process, the extract itself may have high levels of some pesticides. However, at the recommended level of use per application, the final consumer product will also conform to European legislation. |
| Residual solvents | According to Directive 2009/32/EC |
| Mycotoxins/ contaminants | According to EC Reg. 629/2008 amending EC Reg. 1881/2006 |
| IPA | According to CE Reg. 2015/1933 |
| BSE/TSE | Does not contain ingredients of animal origin, there is no risk of cross contamination because it is not present in our factory |
| GMO | GMO free according to EC Reg. 1829/2003 and 1830/2003 |
| Radioactivity | According to EC Reg. 1048/2009 (extension of EC Regulation 733/2008) |

Content of limited substances which shall not be added as such to food (annex III CE Reg. 1334/2008)

| Compound | Max % |
|---|-------|
| Agaric acid | 0.00 |
| Aloin | 0.00 |
| Capsaicin | 0.00 |
| 1,2-Benzopyrone, coumarin | 0.00 |
| Hypericin | 0.00 |
| Beta-asarone | 0.00 |
| Estragole (methyl cavhicol, 1-allil-4-methoxybenzene) | 0.00 |
| Hydrocyanic acid | 0.00 |
| Menthofuran | 0.00 |
| Methyleugenol (4-allil-1,2-dimethoxybenzene) | 0.00 |
| Pulegone | 0.00 |
| Quassin | 0.00 |

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| | |
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| Safrole (1-allyl-3,4- methylenedioxybenzene) | 0.00 |
| Teucrin A | 0.00 |
| Alpha-thujone | 0.00 |
| Beta-thujone | 0.00 |

TRANSPORT, STORAGE and SHELF LIFE

| | |
|--------------------|--|
| Storage conditions | Store product in full, tightly closed containers |
| Shelf Life | 36 months under good storage conditions |
| Custom Tariff | 33013000 |

LEGISLATION

| | |
|--------------------------------|--|
| Food grade | The product is suitable to be used in food in accordance with CE Reg. 1334/2008 – NATURAL “FLAVORING PREPARATION” |
| Vegan and vegetarian statement | It does not contain animal ingredients, it is not tested on animals and the manufacturing process does not include animal ingredients or byproducts. |
| FDA | 172.510 |
| FEMA | 2133 |
| SOLVENT FEMA | - |
| COE | 439n |
| EINECS | 281-683-4 |
| SOLVENT EINECS | - |
| C.A.S. | 9000-72-0 / 84012-39-5 |
| SOLVENT C.A.S. | - |
| REACH pre-registration number | 05-2118411192-57-0000 |

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LABELING

| | |
|---|--|
| Hazard pictograms | |
| Hazard categories | EDI1 Serious eye damage / eye irritation 1 EHC3 Hazardous to the aquatic environment, long-term hazard 3 SS1B Sensitization, skin 1B STO-RE1 Specific target organ toxicity, repeated exposure 1 |
| Hazard statements | H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H372 - Causes damage to organs through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements | P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. |
| European Union specific hazard statements | None |

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.