Cooling Agent WS-23

Structural Formula

Chemical Name: N,2,3-Trimethyl-2-isopropyl Butanamide

Trade Name: Raya Cooling Agent 23

CAS No.: 51115-67-4
EINECS: 256-974-4
FEMA: 3804

Application: Cosmetic, Food, Beverage, Medicine and Tobacco industry

Packaging: in aluminium foiled bags
Filling Quantity: 1 kg/bag
5 kg/bag and 20 kg/bag

Shelf life: Up to 2 years, not opened

Storage conditions: Dry and cool unopened
Avoid direct sunlight

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Kosmetik-Rohstoffe von Experten
# Product Spezifikation

## Raya Cooling Agent 23

<table>
<thead>
<tr>
<th>Test</th>
<th>Spezifikation</th>
<th>Batch Nr. 1309203</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White crystalline powder</td>
<td>conforms</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild cooling, slight menthol</td>
<td>conforms</td>
</tr>
</tbody>
</table>

## Identification

- Molecular Weight: 171.28
- Molecular Formular: C10H21NO

## Properties

- **Purity**: >= 99 %, conforms
- **Solubility**: In Ethanol and organic solvents
  Slightly soluble in water (7g/L) at 20 °C
- **Melting point**: 60-63 °C, conforms
- **Acidity (KOH) [mg/kg]**: <= 1, conforms
- **Heavy Metals (as Pb)**: <= 10 mg/kg, conforms
- **Arsenic (As)**: <= 3 mg/kg, conforms
- **Flash point**: > 100 °C (tag closed cup)
Product Description
Raya Cooling Agent 23

Main properties in applications
1. Continuous and long lasting cooling and refreshing effect, no hot, harsh and stinging sensation of Menthol and/or Peppermint
2. Heat–Resistance is good below 200 °C don’t reduce the cooling impact, suitable use in bakery and other high temperature processes
3. Cooling intensity remains in general for 15-30 minutes with no burning pain compared with Menthol based products it is cooler
4. Low dosage 30-100 mg/kg has good cooling properties
5. Compatible with other flavors and also with other cooling agents.

Main uses

**Cosmetic products:** Toothpaste, oral products, air freshener, skin cream, shaving cream
Shampoo, sunscreen, shower gel

**Food products:** Confectionary products, chocolate, dairy products, beer, distilled Spirit, beverages and chewing gum.