Flavor Ingredient Data Sheet

Flavor Producer Information

TTB Co. Code: NATFLA
Company Name: National Flavor Company
Address: 1206 East Crosstown Parkway
Kalamazoo, MI 49001-2563

Date: 7/29/2015
Contact Person: Gwen Buffinga
Phone: 800-525-2431
Fax: 269-344-1037

Check Appropriate Box:
- Approved for Drawback (DRB)
- Approved as No Action (N/A)
- Fit for Beverage Purposes (Fit)
- Submitted for TTB Approval
- Not Yet Submitted for TTB Approval

Flavor Name: Raspberry Flavor, Natural Artificial #4903 (TTB Natural)
TTB Drawback Number: 163
Alcohol Range by Volume: 1.06 +/- 0.5
Flavor Product Number: 4903

Classification

- Natural
- N&A ≤ 0.1% Topnote
- N&A > 0.1% Topnote
- Artificial
- Non-Flavor

Total Artificial Flavor Content: 843 ppm (Excluding Synthetic Vanillin, Ethyl Vanillin, Synthetic Maltol, and Ethyl Maltol)

Flavor Components

<table>
<thead>
<tr>
<th>Additive</th>
<th>TTB Limitation in Finished Product</th>
<th>Amount of Additive or Agent Present in Flavor</th>
<th>Maximum Use Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Synthetic Vanillin</td>
<td>40.0 ppm</td>
<td>266 ppm</td>
<td>15.04 %</td>
</tr>
<tr>
<td>2. Ethyl Vanillin</td>
<td>16.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>3. Synthetic Maltol</td>
<td>250.0 ppm</td>
<td>1 ppm</td>
<td>NO LIMIT %</td>
</tr>
<tr>
<td>4. Ethyl Maltol</td>
<td>100.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>5. Ester Gum</td>
<td>100.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>6. BVO</td>
<td>15.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>7. Sodium Benzoate</td>
<td>1000.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>8. Gum Arabic/Acacia</td>
<td>200000.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>9. Propylene Glycol</td>
<td>50000.0 ppm</td>
<td>505,757 ppm</td>
<td>9.89 %</td>
</tr>
<tr>
<td>10. BHA (&lt;0.5% Essential Oil)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Acetic Acid</td>
<td>1500.0 ppm</td>
<td>0 ppm</td>
<td>%</td>
</tr>
<tr>
<td>12. ______________</td>
<td>______________ ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>13. ______________</td>
<td>______________ ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>14. ______________</td>
<td>______________ ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>15. Total Vanillin</td>
<td>40.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
<tr>
<td>16. Total Maltol</td>
<td>250.0 ppm</td>
<td>ppm</td>
<td>%</td>
</tr>
</tbody>
</table>

Confidential Limited Ingredients Not Shown (CLI)
Check if contained in formula: □
Check if CLI was previously submitted: □

Beverage Manufacturer / Importer: ________________________________
Formula # / Serial #: ________________________________

Gwen Buffinga
Title: REGULATORY
Date: 7/29/2015
Flavor Company Representative Signature

Beverage Alcohol Manufacturer / Importer

Beverage Manufacturer / Importer: ________________________________
Formula # / Serial #: ________________________________

Flavor Approved on: __________________ Notified by: __________________
As: Approved □
No Action □
Export Only □

Signature of Alcohol Beverage Representative: ____________________________