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N-Lauroylsarcosine sodium salt

Meets EP testing specifications

Product Code: TC541E

Product Description :

Molecular weight: 293.38
Molecular formula: $C_{15}H_{28}NO_3Na$
CAS No.: 137-16-6

Quality Control:

Appearance
White or almost white powder

Solubility
Freely soluble in water giving a clear or slightly turbid solution, sparingly soluble in ethanol 96%

pH (3% in water at 25°C)
7.50 - 8.50

Identification A
Copious foam is formed

Identification B
The principal peak in the chromatogram obtained with the test solution (b) is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution (C)

Identification C
Gives reaction for sodium

Melting point
~145°C

Composition of fatty acids, system suitability, resolution, GC
<= 4.0 between the peaks due to methyl caprylate and methyl decanoate in the chromatogram obtained with reference solution (a)

Composition of fatty acids, Capric acid, GC
<= 0.50%

Composition of fatty acids, Lauric acid, GC
>= 98.00%

Composition of fatty acids, Myristic acid, GC
<= 1.50%

Sodium laurate, GC
<= 5.00%

Sodium chloride
<= 0.50%

Sodium sulfate
<= 1.50%

Storage and Shelf Life:

Store below 30°C away from bright light.

Shelf life is 48 months.

Use before expiry date given on the product label.

Revision : 02/2024