

### DEFINITION

ASPARLYNE® is a 50% solution of lysine aspartate.

### PRESENTATION

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|--|---|
| • <b>Sample</b>  | plastic flask - 125 mL                    |
| • <b>Code / Packaging</b><br>to be mentioned with your order | FA003KC – can 5 kg<br>FA003KE – can 20 kg |

### ORGANOLEPTIC CHARACTERISTICS

- |                     |                      |
|---------------------|----------------------|
| • <b>Appearance</b> | transparent solution |
| • <b>Color</b>      | pale yellow          |
| • <b>Odor</b>       | characteristic       |

### ANALYTICAL CHARACTERISTICS

- |   |               |
|---|---------------|
| • <b>pH</b>                                 | 6.0 - 7.5     |
| • <b>Density (20°C)</b>                     | 1.185 - 1.205 |
| • <b>Refractive index (20°C)</b>            | 1.435 - 1.445 |
| • <b>L-Lysine L-Aspartate</b><br>Ninhydrine | 50% - 53%     |
| • <b>Water content</b><br>Dean Stark        | 47% - 50%     |

### MICROBIOLOGICAL CHARACTERISTICS

- |   |               |
|---|---------------|
| • <b>Total aerobic microbial count</b><br><i>Eur. Ph. 8<sup>th</sup> ed. § 2.6.12 – 2.6.13</i>  | ≤ 100 C.F.U/g |
| • <b>Specified germs</b> ( <i>Escherichia coli</i> , <i>Salmonella</i> sp.,<br><i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> )<br><i>Eur. Ph. 8<sup>th</sup> ed. § 2.6.12 – 2.6.13</i> | absence       |
| • <b>Total combined Yeasts – molds count</b><br><i>Eur. Ph. 8<sup>th</sup> ed. § 2.6.12 – 2.6.13</i>  | ≤ 10 C.F.U/g  |



- *Energizing Bio-active ingredient*
- *Anti-stress and anti-fatigue agent*
- *Sensitive and stressed skin*

## SAFETY TESTS

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|--|------------------|
| • <b>Acute oral toxicity</b><br><i>OECD n°401 - limit test on pure product</i> | no oral toxicity |
| • <b>Acute dermal irritation</b><br><i>OECD n°404 - pure product</i>           | non irritant     |
| • <b>Acute eye irritation</b><br><i>OECD n°405 - pure product</i>              | non irritant     |

## SOLUBILITIES (DILUTED AT 10%)

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|----------------------------|-----------------------------|-----------------------|-----------|
| • <b>Water</b>             | soluble                     | • <b>Vegetal oils</b> | insoluble |
| • <b>Ethanol (50% v/v)</b> | slightly soluble, turbidity | • <b>Mineral oils</b> | insoluble |

## STORAGE AND USE

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|------------------------------|--------------------------------------|
| • <b>Shelf life</b>          | 3 years in closed original packaging |
| • <b>Preservative system</b> | preservative free                    |
| • <b>Storage conditions</b>  | store at room temperature            |
| • <b>Use conditions</b>      | mix before use if necessary          |

## LEGISLATIVE INFORMATION

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|-----------------|-------------------------|------------|
| • <b>INCI</b>   | Aqua / Lysine aspartate |            |
| • <b>CTFA</b>   | Lysine aspartate        |            |
| • <b>CAS</b>    | Aqua                    | 7732-18-5  |
|                 | Lysine aspartate        | 27348-32-9 |
| • <b>EINECS</b> | Aqua                    | 231-791-2  |
|                 | Lysine aspartate        | 248-423-1  |