

## DATA SHEET OF GLUCOSE SYRUP (MS2470)

**Product Name** : Glucose Syrup  
**Product Code** : MS2470  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 69.0-71.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 24.00 - 29.00                 |
| - Sulphated Ash            | : | Not more than 0.5 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 2.5 ppm.        |
| - Lead                     | : | Not more than 0.5 ppm.        |
| - Sulfur Dioxide           | : | Not more than 25 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                  |
|--------------|---|----------------------------------|
| - Shelf life | : | 12 months at indicator following |
|              | · | Room temperature ( $\leq 30$ °C) |
|              | · | Dry place                        |
|              | · | Close packaging                  |
|              | · | Non contaminate condition        |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

## DATA SHEET OF GLUCOSE SYRUP (MS2480)

**Product Name** : Glucose Syrup  
**Product Code** : MS2480  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 79.0-81.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 24.00 - 29.00                 |
| - Sulphated Ash            | : | Not more than 0.5 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 2.5 ppm.        |
| - Lead                     | : | Not more than 0.5 ppm.        |
| - Sulfur Dioxide           | : | Not more than 25 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                  |
|--------------|---|----------------------------------|
| - Shelf life | : | 12 months at indicator following |
|              | · | Room temperature ( $\leq 30$ °C) |
|              | · | Dry place                        |
|              | · | Close packaging                  |
|              | · | Non contaminate condition        |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

## DATA SHEET OF GLUCOSE SYRUP (MS3870)

**Product Name** : Glucose Syrup  
**Product Code** : MS3870  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 69.0-71.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 38.00 - 42.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                  |
|--------------|---|----------------------------------|
| - Shelf life | : | 12 months at indicator following |
|              | · | Room temperature ( $\leq 30$ °C) |
|              | · | Dry place                        |
|              | · | Close packaging                  |
|              | · | Non contaminate condition        |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**

## DATA SHEET OF GLUCOSE SYRUP (MS3880)

**Product Name** : Glucose Syrup  
**Product Code** : MS3880  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 79.0-81.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 38.00 - 42.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

- Shelf life : 12 months at indicator following
  - Room temperature ( $\leq 30$  °C)
  - Dry place
  - Close packaging
  - Non contaminate condition

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**

## DATA SHEET OF GLUCOSE SYRUP (MS3883)

**Product Name** : Glucose Syrup  
**Product Code** : MS3883  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 82.0-84.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 38.00 - 42.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

- Shelf life : 12 months at indicator following
  - Room temperature ( $\leq 30$  °C)
  - Dry place
  - Close packaging
  - Non contaminate condition

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**

## DATA SHEET OF GLUCOSE SYRUP (MS3885)

**Product Name** : Glucose Syrup  
**Product Code** : MS3885  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 84.0-86.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 38.00 - 42.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

- Shelf life : 12 months at indicator following
  - Room temperature ( $\leq 30$  °C)
  - Dry place
  - Close packaging
  - Non contaminate condition

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**



## DATA SHEET OF GLUCOSE SYRUP (MS4270)

**Product Name** : Glucose Syrup  
**Product Code** : MS4270  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 69.0-71.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 42.00 - 48.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                  |
|--------------|---|----------------------------------|
| - Shelf life | : | 12 months at indicator following |
|              | · | Room temperature ( $\leq 30$ °C) |
|              | · | Dry place                        |
|              | · | Close packaging                  |
|              | · | Non contaminate condition        |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**

## DATA SHEET OF GLUCOSE SYRUP (MS4275)

**Product Name** : Glucose Syrup  
**Product Code** : MS4275  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 74.0-76.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 42.00 - 48.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                  |
|--------------|---|----------------------------------|
| - Shelf life | : | 12 months at indicator following |
|              | · | Room temperature ( $\leq 30$ °C) |
|              | · | Dry place                        |
|              | · | Close packaging                  |
|              | · | Non contaminate condition        |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**



## DATA SHEET OF GLUCOSE SYRUP (MS4280)

**Product Name** : Glucose Syrup  
**Product Code** : MS4280  
**Appearance** : Clear almost colorless to pale yellowish liquid, sweet taste, none sediment, none crystallize, none odor from fermentation and none turbidity.

### Chemical Specification

|                            |   |                               |
|----------------------------|---|-------------------------------|
| - % Brix (at 25 ° C)       | : | 79.0-81.0 or To be Determined |
| - pH (40 %Brix solution)   | : | 4.50-6.00 or To be Determined |
| - Dextrose Equivalent (DE) | : | 42.00 - 48.00                 |
| - Sulphated Ash            | : | Not more than 1.0 %           |
| - Arsenic                  | : | Not more than 1.0 ppm.        |
| - Copper                   | : | Not more than 5.0 ppm.        |
| - Lead                     | : | Not more than 2.0 ppm.        |
| - Sulfur Dioxide           | : | Not more than 40 ppm.         |

### Microbial Specification

|                                |   |                   |
|--------------------------------|---|-------------------|
| - Total Plate Count (cfu / g.) | : | Not more than 500 |
| - Yeast and Mold (cfu / g.)    | : | Not more than 10  |
| - E. Coli.                     | : | Nil.              |
| - Staphylococcus aureus        | : | Nil.              |
| - Bacillus cereus              | : | Nil.              |

### Handling & Storage

|              |   |                                                |
|--------------|---|------------------------------------------------|
| - Shelf life | : | 12 months at indicator following               |
|              | · | Room temperature ( $\leq 30^{\circ}\text{C}$ ) |
|              | · | Dry place                                      |
|              | · | Close packaging                                |
|              | · | Non contaminate condition                      |

**Reference: THAI INDUSTRIAL STANDARD No. 268-2521**

**Reference: THAI INDUSTRIAL STANDARD No. 155-2518**