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## D-(+)-Glucose monohydrate, Hi-AR<sup>®</sup>

**GRM1367**

### Product Identifier

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CAS No.	:	14431-43-7
EC No.	:	218-914-5
Molecular Formula	:	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> .H <sub>2</sub> O
Molecular Weight	:	198.17
Synonym	:	Dextrose monohydrate, Hi-AR <sup>®</sup>
HS Code	:	1702 30 39
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

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Appearance	:	Colourless or white crystals or powder or powder with lumps
Solubility	:	100 mg soluble in 1 mL of water
Clarity	:	10% w/v aqueous solution is clear and colourless.
Specific rotation	:	+52.50° to +53.30° (c= 10% in water + 0.2 ml dilute ammonia and allow to stand for 30 min at 20 °C, on anhydrous basis)
Water (K.F.)	:	7.00 - 9.50%
Arsenic (As)	:	<= 0.0001%
Chloride (Cl)	:	<= 0.0125%
Heavy metals (as Pb)	:	<= 0.0005%
Sulfate (SO <sub>4</sub> )	:	<= 0.02%
Assay (HPLC)	:	>= 99.50%

### Safety Information

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UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1