



## SPECIFICATION

### D-Sorbose

Product Code:	MS06724
Synonyms:	D-Xylo-hexulose
CAS Number:	3615-56-3
Chemical Formula:	$C_6H_{12}O_6$
Molecular Weight:	180.16

## TECHNICAL SPECIFICATION

Appearance:	White crystalline powder
Assay (HPLC):	min 99%
Specific Optical Rotation $[\alpha]_D$	+38 to +43° <sup>20</sup> (c=5, H <sub>2</sub> O):
Melting Point:	min 160°C
Identity (IR):	Conforms to structure
Solubility (5% in H <sub>2</sub> O):	Clear, colourless
Heavy Metals:	No single component >0.0005%
Sulfated ash:	max 0.1%
Water content (Karl Fischer):	max 0.5%