

**RM107                      D(+)  
Raffinose pentahydrate**

**Product Number                      Packing**

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RM107	: 100G
RM107	: 10G
RM107	: 25G

**Product Information**

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Product Code	: RM107
Product Name	: D(+) Raffinose pentahydrate
Synonym	: Melitose; Melitriose
Molecular Formula	: $C_{18} H_{32} O_{16} \cdot 5 H_2 O$
Molecular Weight	: 594.51
CAS No.	: 17629-30-0
EC No.	: 208-146-9
HS Code	: 2940 00 00
Shelf Life	: 4 years

**Technical Specification**

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Appearance	: White crystals or powder
Solubility	: 33.3 mg soluble in 1 mL of water
Clarity	: 5% w/v aqueous solution is clear and colourless
Heavy metals (as Pb)	: $\leq 0.001\%$
Water (K.F.)	: 14.00 - 16.00 %
Melting range	: 78 - 80° C
Specific rotation [ $\alpha$ 20/D]	: +103.0° to +107.0° (c = 10% in water)
Assay (HPLC)	: min. 98.00 %

**Risk and Safety Information**

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WGK	: 3
Storage Temperature(°C)	: Store below 30°C

**Transport Information**

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Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods