



Technical Data Sheet

Product Name: Diacetyl Tartaric Acid Esters of Mono- and Diglycerides

CAS NO.: 100085-39-0

Product Type: Emulsifier, food grade

Composition and description:

Component	Percentage	Color	White to off-white
DATEM	80%	Odor	Slightly of acetic acid
Free flowing agent	20%	Form	Powder

Chemical/physical specifications:

(on the DATEM part)		
Total tartaric Acid	10 ~ 40	w/%
Total Glycerol	11 ~ 28	w/%
Total Acetic Acid	8 ~ 32	w/%
Free Glycerol	≤2.0	w/%
Acid value	55 ~ 80	mg KOH/g
Saponification value	360 ~ 425	mg KOH/g
Ignited Residue	≤0.5	w/%

Heavy metal specifications:

Lead	≤ 2	mg/kg
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Application areas:

Bread	DATEM can increase the volume of the bread effectively.
Cake	DATEM provides the excellent emulsion properties and can improve the cake crumb structure.
Biscuits	DATEM can improve the texture and can replace some percentage of fat without the loss of taste in biscuits.

Packing, storage and transportation:

Packaging	Net weight: 25kg/Carton
Shelf Life	18 months in unopened original packaging under the storage conditions. (from date of production)



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Storage	Avoid sunlight, rain. Store in unbroken packaging at the cool, dry and well-ventilated place. The storage temperature should below 20 °C to minimize the agglomeration (the natural tendency of DATEM).
Transportation	Keep safety of the packaging in the transportation.

Regulatory:

USFDA 184.1101, USFDA 582.5191, USFDA 172.480 & E472e, E170, E551 & Local Food Regulations

Additional safety information:

A Material Safety Data Sheet is available on request.

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