



## MALTRIN QD<sup>®</sup> M580

### Maltodextrin

MALTRIN QD<sup>®</sup> maltodextrins are bland, minimally sweet white free-flowing carbohydrate powders that have a high rate of dissolution and excellent particulate strength, produced from corn of U.S. origin. They are products with varying length polymer profiles that provide a wide range of viscosity and solubility characteristics.

#### REGULATORY

MALTRIN QD<sup>®</sup> maltodextrins are generally recognized as safe (GRAS) as direct food ingredients at levels consistent with good manufacturing practices (21 CFR 184.1444). The correct labeling is “maltodextrin”, but all label declarations should be reviewed with appropriate legal counsel.

#### APPLICATIONS

- Source of energy for nutritional products
- Dispersant for dry-blend mixes and seasonings
- Acts as a carrier for nonaqueous liquid ingredients

#### PRODUCT ATTRIBUTES

- Quick and easy to disperse in aqueous systems
- Flowable powder with low dust and a narrow particle size distribution
- Low bulk density
- Similar solution characteristics to MALTRIN<sup>®</sup> M180 maltodextrin

#### PACKAGING, STORAGE, SHELF LIFE

- Packaged in 50-pound net, polyethylene-lined, moisture-resistant, multiwall bags
- To protect particle size, do not double stack pallets
- Store under ambient conditions; protect from excessive heat and excessive humidity for extended periods of time
- Under these storage conditions, the shelf life is expected to be a minimum of two years

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## Maltodextrin

TYPICAL NUTRITIONAL INFORMATION			
Values per 100 grams of product			
<b>Calories</b>	<b>378</b>		
<b>Total Fat</b>	<b>0 g</b>		
<b>Saturated Fat</b>	<b>0 g</b>		
<b>Trans Fat</b>	<b>0 g</b>		
<b>Protein</b>	<b>0 g</b>		
<b>Total Carbohydrate</b>	<b>94.5 g</b>		
<b>Total Sugars</b>	<b>9 g</b>		
Added Sugars – See NOTE under Carbohydrate Labeling			
<b>Dietary Fiber</b>	<b>0 g</b>		
Sugar Alcohols	0 g		
<b>Vitamin D</b>	<b>&lt;1 mcg</b>		
<b>Calcium</b>	<b>20 mg</b>		
<b>Iron</b>	<b>&lt;1 mg</b>		
<b>Sodium</b>	<b>90 mg</b>		
<b>Potassium</b>	<b>5 mg</b>		
Magnesium	6 mg		
Phosphorus	8 mg		
<b>Mandatory Nutrition Facts listed in bold.</b>			
<b>The above information is considered to be typical and not part of the product specification.</b>			
NOT a significant source of:			
Vitamin A	Vitamin C	Vitamin E	Vitamin K
Thiamin	Riboflavin	Niacin	Vitamin B6
Folate	Vitamin B12	Biotin	Pantothenic Acid
Chromium	Copper	Iodine	Manganese
Molybdenum	Selenium	Zinc	
Each value represents the average analyses performed using samples from several product lots. All nutrient data is reported for 100 grams of “as is” product, assuming 5 percent moisture and 94.5 grams of carbohydrate.			

STANDARD SPECIFICATION	
Dextrose Equivalent	15.0-19.9
Moisture, %	6.0 max.
Ash (sulfated), %	0.5 max.
pH (20% solution)	4.0-5.1
Bulk Density (packed), lb/cu ft	20.0-28.0
Particle Size, % through	
20 mesh	90.0 min.
200 mesh	15.0 max.
Aerobic Plate Count, CFU/g	100 max.
Yeast/Mold, CFU/g	100 max.
<u>E. coli</u>	Negative/10 g
Salmonella	Negative/25 g
Any specification different from or not listed above must be agreed upon between the customer and GPC during specification approval.	

CARBOHYDRATE LABELING*	
DP1 (glucose) grams/100 grams	2
DP2 (maltose) grams/100 grams	7
<b>NOTE: If the mono- and disaccharide contribution from maltodextrin in a finished product is greater than 0.5 grams per serving, the information above is considered Added Sugars.</b>	

DEGREE OF POLYMERIZATION (DP PROFILE)*	
DP1-7, %	60
DP8-25, %	25
DP26-40, %	0
Greater than DP40, %	15

\*Carbohydrate and DP profile information reported “as is.”

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