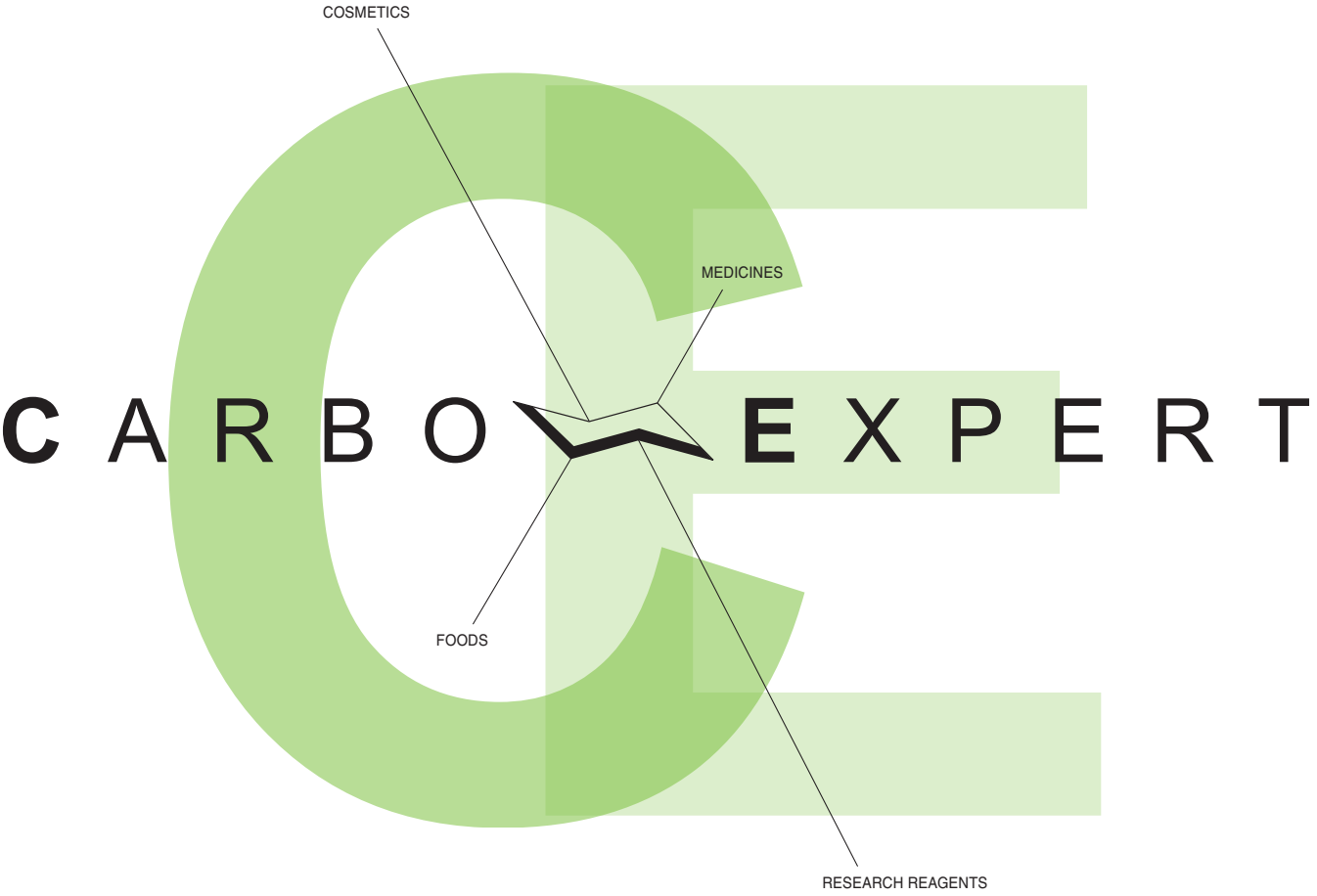


CREATE THE EXCELLENCIES



www.carboexpert.com

#3208, Building III, College of Agriculture and Life Sciences
99, Daehak-ro Yuseong-gu Daejeon, 34134, Republic of Korea(South Korea)
E-mail. carboexpert@carboexpert.com
Tel. 042-821-8932 Fax. 042-821-8777



PRODUCT

Maltooligosaccharide

Product name : α -1,4-linked Maltooligosaccharide
Use : For laboratory use only.

Branched cyclodextrin

Product name : 6-O- α -D-maltosyl- β -cyclodextrin
Example : CAT No – C 2 P 9 0 0 2
DP of glucosyl residues : 2
Use : For laboratory use only.

4-Nitrophenyl-D-glycosides

Product name : *p*-Nitrophenyl-D-glucopyranoside
Synonym : *p*-nitrophenyl- α -glucopyranoside
Use : For laboratory use only.
CAS : 3767-28-0 MF : C₁₂H₁₃NO₆

Polysaccharides

Product name : Polysaccharides
Use : For laboratory use only, Size exclusion.

CARBOEXPERT

CarboExpert Inc.

INTRODUCTION

CarboExpert Inc. was founded in 2015 as the only one specialized company in Korea to produce and supply functional carbohydrates and standard reference materials for carbohydrate research field and markets.

The goal of our company is to develop optimized products for customer needs with uncompromising quality. As the technology-oriented company, our reputation and achievements is growing up with your success.

Tailor-made Carbohydrate

APPLICATION AREA



Research Reagents



Foods



Medicines



Cosmetics

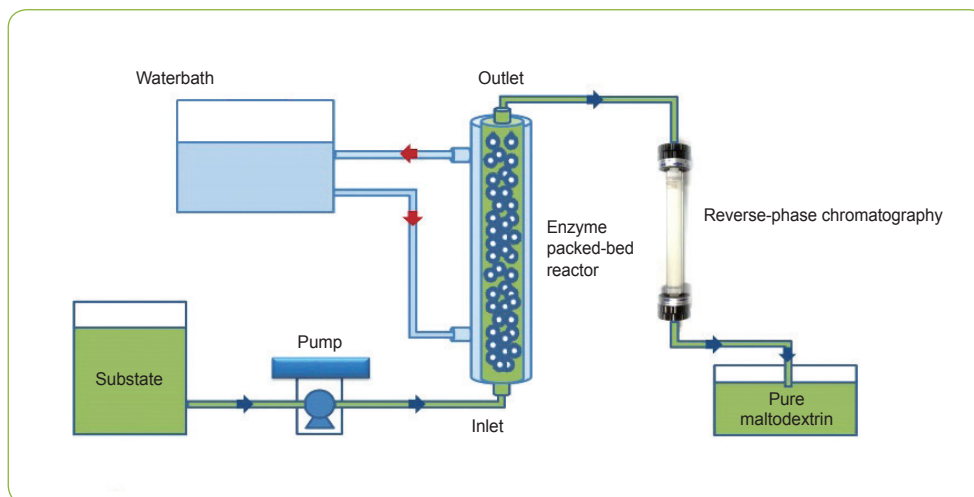


PRODUCTS & TECHNICAL SERVICES

Core-**1**

Pure maltooligosaccharide production using the immobilized enzyme

We synthesize Maltooligosaccharide(~DP20) with high purity using our unique immobilized enzyme system.

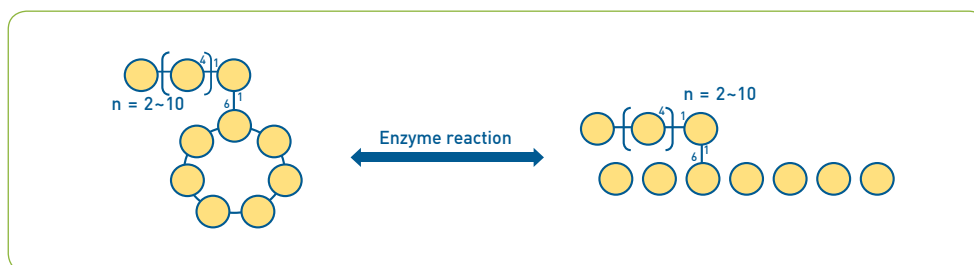


< The production process summary plot of our high purity maltodextrin >

Core-**2**

Customized carbohydrate materials

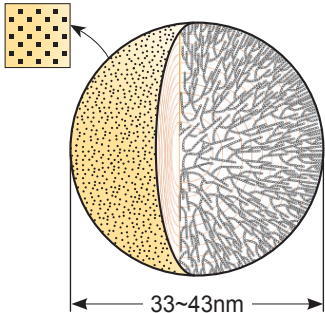
We synthesize customized specific carbohydrates such as maltodextrin having branched side oligomer. We fully provide sufficient reviews and feedbacks during the process.



< Our unique carbohydrate synthesis service for the custom order >

Core-3 Specialized polysaccharides

- Production of BAPS (Bio-active polysaccharide) from *E. coli* mutant

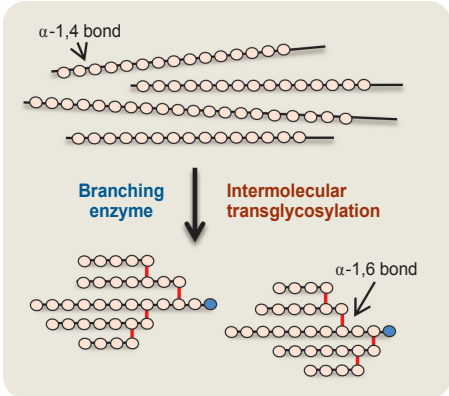


Properties

- homogeneous size
- high water solubility
- low digestibility
- immuno-stimulating activity
- moisturizing effect
- anti-UV effect

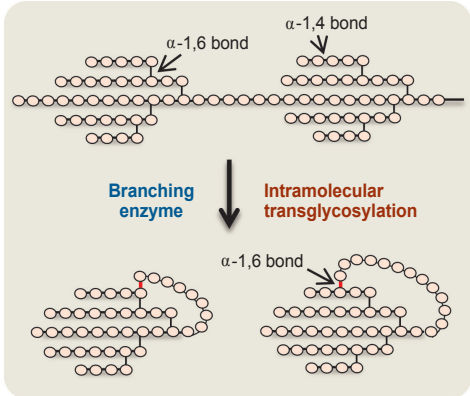
- Enzymatic Synthesis of slow digestible starch

Amylose



$\approx 8.6 \times 10^6$ Da

Amylopectin

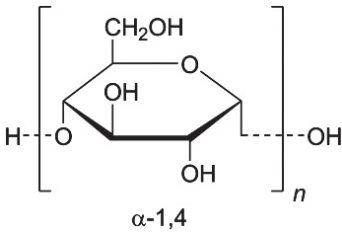


$\approx 2.7 \times 10^4$ Da

Core-4 Analysis service

We provide quantitative and qualitative analysis services of carbohydrate materials. With our multi-dimensional purification system, we are able to purify saccharides from various composite materials, and analyze the quantity and quality of the target molecular.

Maltooligosaccharide



Product name : α -1,4-linked Maltooligosaccharide
Use : For laboratory use only.

PRODUCT COMPOSE			
CAT No.	DP of glucosyl residues	Purity (%)	Amount (mg)
M1P9503-500	3	95	500
M1P9503-1000			1000
M1P9504-100	4		100
M1P9504-500			500
M1P9505-100	5		100
M1P9505-500			500
M1P9506-500	6		500
M1P9506-1000			1000
M1P9507-500	7		500
M1P9507-1000			1000
M1P9508-500	8		500
M1P9508-1000			1000
M1P9003-500	3	90	500
M1P9003-1000			1000
M1P9004-100	4		100
M1P9004-500			500
M1P9005-100	5		100
M1P9005-500			500
M1P9006-500	6		500
M1P9006-1000			1000
M1P9007-500	7		500
M1P9007-1000			1000
M1P9008-500	8		500
M1P9008-1000			1000
M1P009-20	9		20
M1P9009-100			100
M1P9009-300			300
M1P9010-20	10		20
M1P9010-100			100
M1P9010-300			300

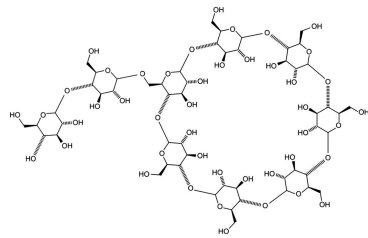
PRODUCT COMPOSE			
CAT No.	DP of glucosyl residues	Purity (%)	Amount (mg)
M1P8509-20	9	85	20
M1P8509-100			100
M1P8509-300			300
M1P8510-20	10		20
M1P8510-100			100
M1P8510-300			300
M1P8511-20	11		20
M1P8511-100			100
M1P8511-300			300
M1P8512-20	12		20
M1P8512-100			100
M1P8512-300			300
M1P8513-20	13		20
M1P8513-100			100
M1P8513-300			300
M1P8514-20	14		20
M1P8514-100			100
M1P8514-300			300
M1P8515-20	15		20
M1P8515-100			100
M1P8515-300			300
M1P8516-20	16		20
M1P8516-100			100
M1P8516-300			300
M1P8517-20	17		20
M1P8517-100			100
M1P8517-300			300
M1P8518-20	18		20
M1P8518-100			100
M1P8518-300			300
M1P8519-20	19		20
M1P8519-100			100
M1P8519-300			300
M1P8520-20	20		20
M1P8520-100			100
M1P8520-300			300

PRODUCT COMPOSE			
CAT No.	DP of glucosyl residues	Purity (%)	Amount (mg)
M1P8009-20	9	80	20
M1P8009-100			100
M1P8009-300			300
M1P8010-20	10		20
M1P8010-100			100
M1P8010-300			300
M1P8011-20	11		20
M1P8011-100			100
M1P8011-300			300
M1P8012-20	12		20
M1P8012-100			100
M1P8012-300			300
M1P8013-20	13		20
M1P8013-100			100
M1P8013-300			300
M1P8014-20	14		20
M1P8014-100			100
M1P8014-300			300
M1P8015-20	15		20
M1P8015-100			100
M1P8015-300			300
M1P8016-20	16		20
M1P8016-100			100
M1P8016-300			300
M1P8017-20	17		20
M1P8017-100			100
M1P8017-300			300
M1P8018-20	18		20
M1P8018-100			100
M1P8018-300			300

PRODUCT COMPOSE

CAT No.	DP of glucosyl residues	Purity (%)	Amount (mg)
M1P8019-20	19	80	20
M1P8019-100			100
M1P8019-300			300
M1P8020-20	20		20
M1P8020-100			100
M1P8020-300			300
M1P8021-10	21		10
M1P8021-100			100
M1P8022-10	22		10
M1P8022-100			100
M1P8023-10	23		10
M1P8023-100			100
M1P8024-10	24		10
M1P8024-100			100
M1P8025-10	25		10
M1P8025-100			100
M1P8026-10	26		10
M1P8026-100			100

Branched cyclodextrin

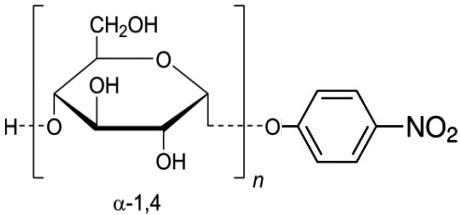


Product name : 6-O- α -maltosyl- β -cyclodextrin
Example : CAT No – C 2 P 9 0 0 2
DP of glucosyl residues : 2
Use : For laboratory use only.

PRODUCT COMPOSE

CAT No.	DP of branch	Purity (%)	Amount (mg)
C 2 P 9 0 0 1	1	90	500
C 2 P 9 0 0 2	2		2000
C 2 P 9 0 0 3	3		500
C 2 P 9 0 0 4	4		500
C 2 P 9 0 0 5	5		500
C 2 P 9 0 0 6	6		500

4-Nitrophenyl-D-glycosides

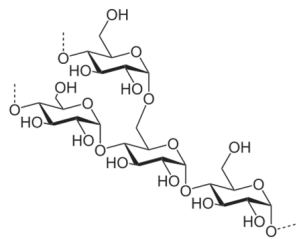


Product name : *p*-Nitrophenyl-D-glucopyranoside
Synonym : *p*-nitrophenyl- α -glucopyranoside
Use : For laboratory use only.
CAS : 3767-28-0 MF : C₁₂H₁₅NO₈

PRODUCT COMPOSE

CAT No.	DP of glucosyl residues (α -1,4-linked)	Purity (%)	Amount (mg)
G 1 P 9 0 0 1	1	90	500
G 1 P 9 0 0 2	2		500
G 1 P 9 0 0 3	3		500
G 1 P 9 0 0 4	4		500
G 1 P 9 0 0 5	5		500
G 1 P 9 0 0 6	6		500
G 1 P 9 0 0 7	7		500

Polysaccharides



Product name : Polysaccharides
Use : For laboratory use only, Size exclusion.

PRODUCT COMPOSE			
CAT No.	Molecular weight (kDa)	Purity (%)	Amount (mg)
P1P9501	15	95	1000
P1P9502	40		
P1P9503	3000		
P1P9001	15	90	5000
P1P9002	40		
P1P9003	3000		

Customized Product Development



Certificate



iso 9001:2015