

**YOUR END-TO-END PARTNER**

PRODUCTS CUSTOMIZED SOLUTIONS EXPERT SERVICES

PRODUCTS WITH PURPOSE

# Active Pharmaceutical Ingredients (APIs)

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Product code	Product
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### Vitamin A

04 2187 1	Dry Vitamin A Palmitate, Type 250 CWS/F (tocopherol)
50 1754 5	Retinyl Palmitate 250 CWS/F PH**
04 2401 3	Vitamin A Palmitate 1.7 MIU/g (BHA/BHT)
04 2400 5	Vitamin A Palmitate 1.7 MIU/g*
50 1626 2	Retinyl Palmitate 1.7 MIU/g Ph**
50 1227 9	Dry Vitamin A Acetate 500 B

### Vitamin E

50 1657 7	Dry Vitamin E 50% CWS/S Ph
04 2008 5	DL-alpha-Tocopheryl Acetate*
50 1626 0	dl-a-Tocopheryl Acetate Ph**
04 1027 6	DL-alpha-Tocopherol
50 1674 1	all-rac-alpha-Tocopherol Ph**

### Vitamin D

50 1621 2	Dry Vitamin D3 100 SD/S Ph
50 1647 3	Dry Vitamin D3 100 CWS Ph
50 1752 4	Vitamin D3 1.0 MIU/g* Ph
50 1157 4	Vitamin D3 1.0 MIU/g
50 1626 3	Vitamin D3 Crystalline Ph

### Vitamin K1

04 3492 2	Dry Vitamin K1 5% SD
04 3501 5	Vitamin K1
50 1322 4	Vitamin K1 API (US DMF only)

\* The applicability of our portfolio for pharmaceutical application is subject to local approvals. Please check the status with local DSM Regulatory Affairs team in your closest office.

\*\*Pharma product code to be launched within 12 months period.

Product code	Product
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### Vitamin B1

04 2947 3	ROCOAT Thiamine Mononitrate 33 1/3%
50 1625 7	Thiamine Hydrochloride Ph
04 1894 3	Thiamine Mononitrate

### Vitamin B2

TBD	Riboflavin Universal PH**
50 1626 1	Riboflavin 5'-Phosphate Ph
04 7040 6	Riboflavin Universal

### Vitamin B3

04 8784 8	Niacinamide
50 1629 1	Niacinamide Ph (US DMF only)**

### Vitamin B5

TBD	Calcium D-Pantothenate Ph
04 1267 8	Calcium D-Pantothenate**
50 1625 8	D-Panthenol Ph

### Vitamin B6

04 2945 7	ROCOAT Pyridoxine Hydrochloride 33 1/3%
50 1626 5	Pyridoxine Hydrochloride Ph (origin: China)
50 1646 0	Pyridoxine Hydrochloride Ph (origin: Germany)

### Vitamin B7

50 1165 5	D-Biotin*
50 1626 4	D-Biotin Ph**

### Vitamin B9

50 1625 9	Folic Acid Ph
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Product code	Product
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### Vitamin B12

50 1251 1	Vitamin B12 1% SD
04 2909 0	Vitamin B12 0.1% WS
04 2915 5	Vitamin B12 Crystalline
50 1630 0	Vitamin B12 Crystalline Ph (US DMF)

### Vitamin C

04 0809 3	Ascorbic Acid Fine Granular
04 2246 0	Ascorbic Acid Fine Powder*
50 1645 0	Ascorbic Acid Fine Powder Ph**
50 1625 5	Ascorbic Acid Ph
TBD	Calcium Ascorbate Ph**
04 1944 3	Calcium Ascorbate
50 1625 6	Sodium Ascorbate Ph
50 0976 6	Ascorbic Acid Ultra Fine Powder
04 2511 7	Coated Ascorbic Acid, Type EC
50 0774 7	Ascorbic Acid 95% Granulation
50 0774 7	Ascorbic Acid 95% Granulation**
TBD	Ascorbic Acid 95% Granulation Ph

### Beta-Carotene

50 1434 4	β-Carotene Crystalline Ph
50 1438 7	β-Carotene 30% FS Ph
50 1435 2	BetaTab 20% S Ph

### Cannabinoid APIs

50 1714 2	BSPG CBD API
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### Lipid API Intermediates

Eicosapentaenoic Acid (EPA)	Customized concentrations and combinations to meet your needs. Contact your DSM Account Manager for details.
Docosahexaenoic Acid (DHA)	
Arachadonic Acid (ARA)	

## ADDITIONAL INFORMATION | Labeling

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### **KOSHER AND HALAL CERTIFICATION**

Typically our products have Kosher (OU) and the main Halal certifiers (IFANCA, HFCE, MUI). We occasionally use other certification organization as well, but these are typically for special cases or back-up. Information about the other available certificates may be available upon request.

### **SPECIFIC PRODUCT INFORMATION**

Product Data Sheets and Safety Data Sheets are available for all products listed in this catalogue. They contain information on product description and identification, specification and stability and storage conditions.

Some of the listed products are used either as vitamins (nutrients / Active Pharmaceutical Ingredients / excipients) or as food additives for technological purposes; some of them serve both purposes and are authorized in most countries. However, there are local regulations according to which their use may be restricted. It is therefore advisable to consult the corresponding regulation.

For further information on our products (local availability and prices), please contact the DSM Nutritional Products' office nearest to you or one of the addresses listed on the back cover.

### **RSPO CERTIFICATION**

DSM made a commitment in 2013 to source all palm oil and palm oil derivatives in a sustainable manner by either using GreenPalm certificates under "Book & Claim" scheme or Mass Balance certification.

## YOUR END-TO-END PARTNER

**PRODUCTS**   **CUSTOMIZED SOLUTIONS**   **EXPERT SERVICES**

With our broad service offerings, customers get an integrated partner, from concept to consumer.

### PRODUCTS

- Active pharmaceutical ingredients (APIs)
- Carotenoids
- Digestive enzymes
- Human milk oligosaccharides (HMOs)
- Hydrocolloids
- Nutraceuticals
- Nutritional lipids
- Probiotics and prebiotics
- Vitamins

### CUSTOMIZED SOLUTIONS

- Coloration solutions
- Market-ready solutions
- Personalized nutrition solutions
- Premix solutions
- Shelf-life solutions

### EXPERT SERVICES

- Application and technical services
- Innovation and R&D services
- Insights and marketing services
- Regulatory and quality services
- Scientific services

Our products can make yours stronger. Learn how at [DSM-Products.com](https://www.dsm-products.com).

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