

Co-Enzyme Q10 Tablet

Highly concentrated co-enzyme Q10
with improved absorption

- Innovative stable formulation with **Syloid® XDP 3050** protects co-enzyme Q10 from oxidation and moisture uptake, resulting in a direct compression tablet
- 2-3 times higher concentration of co-enzyme Q10 compared with other products on the market
- Co-enzyme Q10 supports energy production and fights against oxidation



CoQ10 TABLET



CoQ10 TABLET BATCH: EP23-2/1					
CATEGORY	INGREDIENTS	% BY WEIGHT	TRADE NAME	FUNCTION	SUPPLIER
Active	Co-Enzyme Q10	20.00%	Co-Enzyme Q10	Food Active	Univar Solutions
Excipient	Silicon Dioxide	26.67%	Syloid® XDP 3050	Carrier	Grace
Excipient	Olive Oil	13.33%	BIOCHEMICA® OLIVE OIL-ULTRA REFINED	Solubilizer	Hallstar
Excipient	MCC/SiO2/CCS/MgSt	40.00%	BARETab® Nutra	Co-Processed Excipient	Sigachi
TOTAL		100.00%			

MANUFACTURING

- Dissolve co-enzyme Q10 in olive oil and mix with torque stirrer for 2 minutes to achieve a pasty powder. Add sieved (0.8 mm) Syloid® XDP 3050 to the pasty powder and mix for 15 minutes
- Pass resulting agglomerated powder into 0.6 mm sieve
- Add sieved (0.8 mm) BARETab® Nutra and mix with torque stirrer for 5 minutes
- Mixture is tableted on 11.28 mm round punches at mass weight of 375 mg per tablet
- Recommended tablet weight of 750 mg as a daily dosage (different mass weights are applicable)

Tableting Machine	StyleOne Nano
Main Compression Force	30 KN
Tablet Hardness	80 - 90 N
Disintegration Time	2 minutes
Friability	0.40%



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CoQ10 TABLET



CoQ10 TABLET BATCH: EP23-2/2					
CATEGORY	INGREDIENTS	% BY WEIGHT	TRADE NAME	FUNCTION	SUPPLIER
Active	Co-Enzyme Q10	20.00%	Co-Enzyme Q10	Food Active	Univar Solutions
Excipient	Silicon Dioxide	26.67%	Syloid® XDP 3050	Carrier	Grace
Excipient	Olive Oil	13.33%	BIOCHEMICA® OLIVE OIL-ULTRA REFINED	Solubilizer	Hallstar
Excipient	Silicified MCC	38.13%	HiCel™ SMCC 90M	Binder	Sigachi
Excipient	CrosCarmellose Sodium	1.60%	CCS	Disintegrant	Univar Solutions
Excipient	Magnesium Stearate	0.27%	LUBRI-PREZ®	Lubricant	Sudeep
TOTAL		100.00%			

BARETab® Nutra CoQ10 and HiCel™ SMCC 90M / CCS / LUBRI-PREZ® CoQ10 formulations resulted in comparable hardness, disintegration, and friability.

BARETab® Nutra CoQ10 tablet is the preferred option to reduce production time.

HiCel™ SMCC 90M / CCS / LUBRI-PREZ® CoQ10 tablet is the preferred option to reduce cost.



MANUFACTURING

- Dissolve co-enzyme Q10 in olive oil and mix with torque stirrer for 2 minutes to achieve a pasty powder. Add sieved (0.8 mm) Syloid® XDP 3050 to the pasty powder and mix for 15 minutes
- Pass resulting agglomerated powder into 0.6 mm sieve
- Add the sieved (0.8 mm) Silicified MCC and CrosCarmellose Sodium and mix with torque stirrer for 10 minutes
- Add sieved magnesium stearate (0.4 mm) and mix for 2 minutes
- Mixture is tableted on 11.28 mm round punches at mass weight of 375 mg per tablet
- Recommended tablet weight of 750 mg as a daily dosage (different mass weights are applicable)

Tableting Machine	StyleOne Nano
Main Compression Force	30 KN
Tablet Hardness	80 - 90 N
Disintegration Time	2 minutes
Friability	0.40%

Contact:

To learn more about our comprehensive ingredient portfolio, reach out to your Univar Solutions account representative or contact us at:



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