



IOI OLEOCHEMICAL

WITARIX[®] MCT powder AC8CN

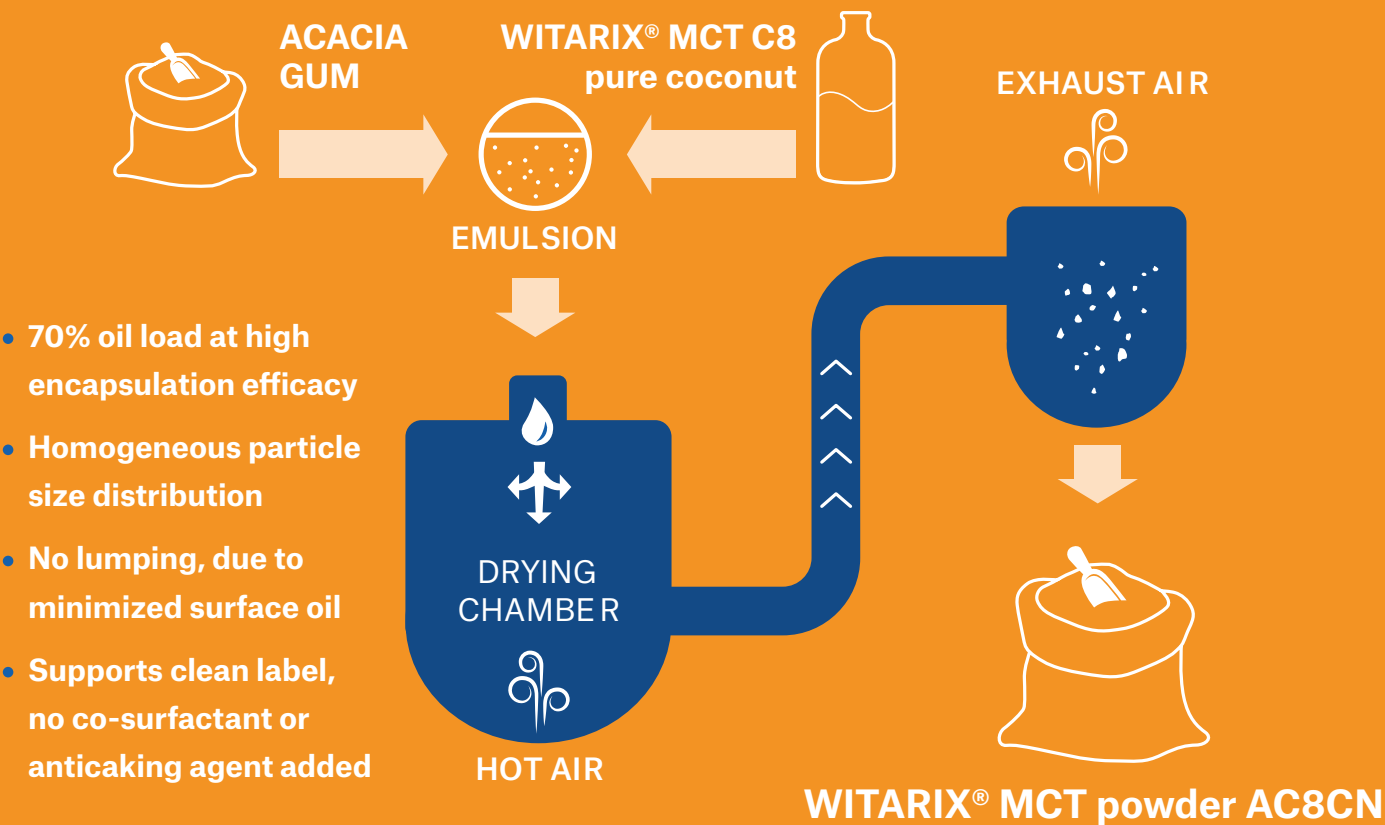
Purity, Metabolic Performance
and User-Convenience

The solution for easy-to-handle
MCT powder with high-end value
proposition - Made in Germany

Powder Benefits for Formulations

- Neutral taste and flavor
- Easy blending into hot and cold drinks
- Suitable for baked goods
- User and dosing convenience e.g. during repacking of daily dose, compared to oils
- Adds milky and creamy texture to drinks, e.g. shakes or coffees
- Easy to mix with other powder ingredients processed e.g. into bars

High-end encapsulation technology using our homemade premium WITARIX® MCT C8 pure coconut



Ideal Applications

- Sports & endurance nutrition
- Fasting & ketogenic protocols
- Cognitive support
- Metabolic health

Two Ingredients for maximum Metabolic Effect

WITARIX® MCT powder AC8CN is a high-performance ketogenic MCT powder. Based on **WITARIX® MCT C8 pure coconut** made inhouse at IOI Oleo's Wittenberge site. We use a specialized grade of acacia gum as an encapsulant carrier that provides additional dietetic benefits as a dietary fibre. The **pure coconut** origin supports **consumer-friendly declaration** of material origin over conventional palm-based powders.

Designed for advanced nutritional applications, it supports **rapid and sustained ketone body generation**, superior to mixed MCTs or coconut oil blends, with excellent formulation versatility for functional foods, beverages, and supplements.



Key Differentiators

- ✓ **1. POWDER PROPERTIES:**
 - Homogeneous white to off-white free flowing powder
 - Little to no lumping when properly stored and handled
 - Characteristic, subtly sweet aroma and taste paired with pleasant sensory profile
- ✓ **2. SUPERIOR KETOGENIC PERFORMANCE & METABOLIZATION***
 - Following published scientific data, pure C8 MCT delivers up to 20-30% higher plasma ketone levels than conventional MCT blends or coconut oil
 - C8 MCT is preferentially absorbed and oxidized, bypassing lymphatic transport and predominantly entering the liver metabolism for direct ketone-body production
 - Unlike MCTs with mixed fatty acid profile, there is no metabolic competition with longer chain fatty acids in **WITARIX® MCT powder AC8CN**
 - This enables rapid onset of ketosis and sustained energy release
 - Making **WITARIX® MCT powder AC8CN** ideal for cognitive, metabolic and sports nutrition applications
- ✓ **3. BENEFITS OF GUM ACACIA & CLEAN LABELLING**
 - Gum Acacia is a plant-derived carrier, widely accepted in clean label formulations used for manufacturing of **WITARIX® MCT powder AC8CN**
 - The specific grade used for manufacturing of **WITARIX® MCT powder AC8CN** provides high encapsulation efficacy at 70% oil load without additional co-surfactants
 - The rapid formation and excellent stability of emulsions in water have been repeatedly recognized by users as key product attributes
 - Gum acacia is recognized as a prebiotic fibre, supporting gut health and microbiome diversity
 - Contributes to satiety, glycemic control, contains no sugars and digestive comfort, enhancing the overall nutritional profile of **WITARIX® MCT powder AC8CN**
- ✓ **4. REGULATORY & MARKET READINESS**
 - Fully compliant with EU and international food/nutraceutical regulations
 - Suitable for use in functional foods, meal replacements and ketogenic supplements

* Source:
Vandenbergh C. et. al, *Tricaprylin Alone Increases Plasma Ketone Response More Than Coconut Oil or Other Medium-Chain Triglycerides: An Acute Crossover Study in Healthy Adults*, Current Developments in Nutrition, Volume 1, Issue 4, 2017
Baumeister, A. et. al, *Short-Term Influence of Caffeine and Medium-Chain Triglycerides on Ketogenesis: A Controlled Double-Blind Intervention Study*, Journal of Nutrition and Metabolism, 2021

WITARIX® MCT powder AC8CN

is a 70% oil load, pure coconut based, two ingredient powder-version of liquid MCT oils. It combines the ketogenic potential of pure MCT C8 triglycerides, with prebiotic acacia fiber. These characteristics clearly differentiate WITARIX® MCT powder AC8CN from the majority of MCT powders. Many products in the market rely on conventional C8/C10 mixtures with palm origin and additional additives.

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Ingredients

WITARIX® MCT C8
Pure Coconut
High Performance
Gum Acacia

That's
all you
need!

WITARIX® MCT powder AC8CN – NUTRITIONAL DATA

Parameter	Typical value per 100g	Unit
Energy ⁽¹⁾	642 / 2690	Kcal / KJ
Fat ⁽²⁾	70	g
Of which saturated	70	g
Total Carbohydrates	max. 30	g
Available Carbohydrates	< 0.1	g
total dietary fiber ⁽²⁾	25 – 30	g
Protein	max. 2	g

(1) calculated

(2) calculated on dry matter

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