

SPECIFICATION

Product name	Vitamin D3 1.000.000 I.U./g Food Grade (EP/USP)
Product code	SPDY03
Production unit	Zhejiang NHU Company Ltd.
Description	
Ingredients	containing 1.000.000 I. U./g vitamin D3 in corn oil
Appearance	Clear yellowish viscous oily liquid (20 °C) Soluble in alcohols, acetone, chloroform, toluene, mineral or vegetable oil - Insoluble in water
Synonym	Vitamin D, Vitamin D3, Cholecalciferol, Colecalciferol
Formula	$C_{27}H_{44}O$
Molecular weight	384,64 g/mol
CAS No.	67-97-0
Properties	
Shelf life	24 months in unopened original packaging
Identification	Conform
Assay	$\geq 1.000.000$ I.U./g
Residual solvents	Meet the requirements
Acid value	$\leq 2,0$ mg KOH/g
Peroxide value	≤ 20 meq/kg
Heavy metal	≤ 10 mg/kg
Arsenic (As)	≤ 1 mg/kg
Lead	$\leq 0,5$ mg/kg
Cadmium	$\leq 0,5$ mg/kg
Mercury	$\leq 0,1$ mg/kg
Microbiological specs	
Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
E. coli	Negative in 10 g
Salmonella spp.	Negative in 25 g
Handling	
Storage	Store in a cool, dark and dry place
Stability	Material is sensitive to alkalis, light and oxidizing agents
Transport instructions	See our latest safety data sheet
Usage	food industry

Classified as **hazardous substance** as per EU regulation.

NHU EUROPE GmbH