



Spezifikation

Produktbezug:	
Produktnummer	532434TE
Handelsname / Bezeichnung	Vitamin B1 Mononitrat (Thiamin Mononitrat)
CAS Nummer	532-43-4
Andere Bezeichnungen / Synonyme	•2-[3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-4-methyl-5-thiazol-3-iumyl]ethanol nitrate; •Thiamin mononitrat; •Thiamine mononitrate; •Thiaminnitrat; •Vitamin B1 mononitrat; •Vitamin B1 mononitrate; •thiamine nitrate;
EG Nummer	208-537-4
Zolltarifnummer / CN-Code	29362200
Molekulargewicht [g/mol]	327.35948
Formel	C ₁₂ H ₁₇ N ₅ O ₄ S

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung		Klar, nicht intensiver als Referenzlösung Y7	
Aussehen		Weißes oder fast weißes kristallines Pulver, oder kleine farblose Kristalle	
Physikalische Parameter			
Trocknungsverlust		(105 °C) ≤ 1,0	%
pH-Wert		6,8 – 7,6	
Löslichkeit		Schwer löslich in Wasser, leicht löslich in kochendem Wasser, schwach löslich in Ethanol (96%), praktisch unlöslich in Heptan	
Identifikation			
Gehalt		98 – 101	%
Identifizierung	A,B,C	entspricht	
Verunreinigungen			
Schwermetalle (als Pb)		≤ 20	ppm
Sulphatasche		≤ 0,1	%
Verwandte Substanzen		jede andere Verunreinigung: ≤ 0,1	% [w/w]
Verwandte Substanzen		total ≤ 1,0	% [w/w]
Verwandte Substanzen		Verunreinigung A: ≤ 0,15	% [w/w]
Verwandte Substanzen		Verunreinigung B: ≤ 0,6	% [w/w]
Verwandte Substanzen		Verunreinigung C: ≤ 0,4	% [w/w]

Zusätzliche Angaben:

Mindesthaltbarkeit: 3 Jahre ab Produktionsdatum in original Verpackung bei empfohlener Lagerung

Lagerbedingungen: In dicht geschlossenen Behältern, bei Raumtemperatur, sauber und trocken, fern von direkter Sonneneinstrahlung und Wasser lagern

Entspricht der Monographie: EP

Verpackung: 25-kg-Trommel mit PE-Beutel

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 16. Aug. 2022

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