



Spezifikation

| Produktbezug: | |
|--|---|
| Produktnummer | 10035048MPEUL |
| Handelsname / Bezeichnung | Calciumchlorid 2-Hydrat, EP, USP, E 509 Dihydrat |
| CAS Nummer | 10035-04-8 |
| Andere Bezeichnungen / Synonyme | •CALCIUM CHLORIDE; •CALCIUM CHLORIDE DIHYDRATE, ACS; •CALCIUM CHLORIDE, DIHYDRATE, U.S.P.; •Calcium Chloride, Dihydrate, BiotechGrade; •Calcium Chloride, Dihydrate, FCC; •Calcium Chloride, Dihydrate, Reagent, ACS; •Calcium Chloride, Dihydrate, Technical; •Calcium Chloride, Dihydrate, USP, EP, BP, JP; •Calcium chloride; •Calcium chloride (CaCl ₂), dihydrate; |
| EG Nummer | 233-140-8 |
| EG-Index-Nummer | 017-013-00-2 |
| Zolltarifnummer / CN-Code | 28272000 |
| Molekulargewicht [g/mol] | 142.983 |
| Formel | CaCl ₂ H ₄ O ₂ |
| Verursacht schwere Augenreizung. BEI KONTAKT MIT DEN AUGEN: Eventuell Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. Einige Minuten lang behutsam mit Wasser ausspülen. | |

| Parameter | Spezifikation | Einheit |
|--------------------------------|---|---------|
| Sensorische Prüfung | | |
| Aussehen der Lösung | klar, nicht stärker gefärbt als Referenzlösung Y6 | |
| Aussehen | weißes bis cremefarbenes, kristallines Pulver, hygroskopische oder zerfließende Kristalle | |
| Geruch | geruchlos | |
| Physikalische Parameter | | |
| Säuregehalt | 0.01 M HCl / NaOH ≤ 0,2 | ml |
| pH-Wert | 50 mg/ml 4,5 – 9,2 | |
| Löslichkeit | gut löslich in Wasser, löslich in Ethanol (96 %) | |
| Identifikation | | |
| Gehalt | 99,0 – 103,0 | % |
| Gehalt | auf wasserfreier Basis ≥ 93,0 | % |
| Identifizierung | Ca: entspricht | |
| Identifizierung | Cl: entspricht | |
| Verunreinigungen | | |
| Schwermetalle (als Pb) | ≤ 2 | ppm |
| Sulphat (SO ₄) | ≤ 300 | ppm |

| Restlösemittel | | |
|------------------------------------|---|--------|
| Restlösemittel | Bei der Herstellung des Produkts werden keine organischen Lösungsmittel verwendet erfüllt die Anforderungen von USP, EP und EMA/CHMP/ICH/82660/2006 für Lösungsmittelrückstände | |
| Restlösemittel | no organic solvents are used in the production, the product meets the requirements of USP, EP and EMA/CHMP /ICH/82660/2006 for residual solvents | |
| Elementare Verunreinigungen | | |
| Aluminium (Al) | ≤ 1 | ppm |
| Arsen (As) | ≤ 3 | ppm |
| Fluor (F) | ≤ 40 | ppm |
| Eisen (Fe) | ≤ 10 | ppm |
| Quecksilber (Hg) | ≤ 1 | ppm |
| Magnesium (Mg) | & Alkalimetals: ≤ 0,5 | % |
| Magnesium (Mg) | & Alkalisalt ≤ 5 | % |
| Mikrobiologische Daten | | |
| Bakterielle Endotoxine | ≤ 3 | I.E./g |

Zusätzliche Angaben:

regionaler Ursprung: EU

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Feb. 2022

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