



Spezifikation

| Produktbezug: | |
|---------------------------------------|--|
| Produktnummer | 6132043MPBUL |
| Handelsname / Bezeichnung | Trinatriumcitrat Dihydrat, USP, E331 |
| CAS Nummer | 6132-04-3 |
| Andere Bezeichnungen / Synonyme | •1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt, hydrate (1:3:2); •Natriumcitrat x 2 H ₂ O krist; •Natriumcitrat x 2 H ₂ O pulver; •Sodium Citrat crystalline; •Sodium Citrat powder; •Trinatriumcitratdihydrat; •trisodium 2-hydroxypropane-1,2,3-tricarboxylate dihydrate; •trisodium citrate dihydrate; |
| EG Nummer | 612-118-5 |
| Zolltarifnummer / CN-Code | 29181500 |
| Molekulargewicht [g/mol] | 294.09957 |
| Formel | C ₆ H ₉ Na ₃ O ₉ |

| Parameter | Methode | Spezifikation | Einheit |
|--|-----------|---|---------|
| Sensorische Prüfung | | | |
| Aussehen der Lösung | | klar und farblos | |
| Aussehen | | weißes kristallines Pulver oder farblose Kristalle | |
| Physikalische Parameter | | | |
| Säuregehalt | | entspricht | |
| Trocknungsverlust | | (180 °C / 18h) 10,0 – 13,0 | % |
| pH-Wert | | (5% in H ₂ O): 7,5 – 9,0 | |
| Löslichkeit | | leicht löslich in Wasser, praktisch unlöslich in Ethanol (96 %) | |
| Identifikation | | | |
| Gehalt | | 99,0 – 100,5 | % |
| Identifizierung | | entspricht | |
| Verunreinigungen | | | |
| Schwermetalle (als Pb) | | ≤ 5 | ppm |
| Oxalate (als wasserfreie Oxalsäure) | | ≤ 100 | ppm |
| Leicht carbonisierbare Substanzen | | entspricht | |
| Sulphat (SO ₄) | | ≤ 150 | ppm |
| Verwandte Substanzen | Tartrate | Entspricht | |
| Verwandte Substanzen | Pyrogenes | Entspricht | |
| Elementare Verunreinigungen | | | |
| Arsen (As) | | ≤ 1 | ppm |
| Cadmium (Cd) | | ≤ 0,1 | ppm |
| Chloride (Cl) | | ≤ 50 | ppm |
| Eisen (Fe) | | ≤ 1 | ppm |
| Quecksilber (Hg) | | ≤ 0,1 | ppm |
| Blei (Pb) | | ≤ 1 | ppm |
| Organische flüchtige Verunreinigungen | | | |
| Org. flücht. Veru. in Summe | | entspricht | |
| Partikelgrößenverteilung | | | |
| Partikel | | 40 - 100 mesh | % |

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 02. Dec. 2021

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