

**PO0219 Potassium dichromate, EssentQ®**



assay (iodometric) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 insoluble in water . . . . . max. 0,01 %  
 chlorides (Cl) . . . . . max. 0,005 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,01 %

calcium (Ca) . . . . . max. 0,005 %  
 iron (Fe) . . . . . max. 0,005 %  
 sodium (Na) . . . . . max. 0,2 %  
 loss on drying (105 °C) . . . . . max. 0,5 %


ART. NO.	VOLUME	CONTAINER
PO02190500	500 g	
PO02191000	1 kg	
PO0219025P	25 kg	

**PO0220 Potassium dichromate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur**



assay (iodometric) . . . . . min. 99,9 %  
 insoluble matter . . . . . max. 0,005 %  
 chlorides (Cl) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 calcium (Ca) . . . . . max. 0,002 %  
 copper (Cu) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,001 %

lead (Pb) . . . . . max. 0,005 %  
 sodium (Na) . . . . . max. 0,02 %  
 loss on drying (105 °C) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
PO02200500	500 g	
PO02201000	1 kg	
PO0220005P	5 kg	
PO0220025P	25 kg	

**PO0235 Potassium dichromate, secondary standard for volumetric titrations, Titrasure®**



assay (on dried sample) . . . . . min. 99,0 %  
 insoluble in water . . . . . max. 0,005 %  
 chlorides (Cl) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %

calcium (Ca) . . . . . max. 0,003 %  
 iron (Fe) . . . . . max. 0,001 %  
 sodium (Na) . . . . . max. 0,02 %  
 loss on drying (105 °C) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
PO02350100	100 g	

## POTASSIUM DICHROMATE, VOLUMETRIC SOLUTIONS

**PO0231 Potassium dichromate, solution 1/6 mol/l (1 N)**



- K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>
- M = 294,19 g/mol
- CAS [7778-50-9]
- EINECS-No.: 231-906-6
- Density: 1,025 g/cm<sup>3</sup>
- LD 50 (oral, rat): 25 mg/kg (toxic component)
- EC-Index-No.: 024-002-00-6
- ADR: 6.1 T4 III UN 3287
- IMDG: 6.1 III UN 3287
- IATA/ICAO: 6.1 III UN 3287
- GHS-signal word: Danger
- GHS-H sentences: H334 - H340 - H350 - H360FD - H373 - H318 - H332 - H315 - H317 - H411
- GHS-P sentences: P260 - P285 - P305 + P351 + P338 - P321 - P405 - P501a

- Tariff number: 2841 50 00 00
- Applications: analytical chemistry, titrant in volumetric analysis.

factor . . . . . 0,999 - 1,001  
 uncertainty ± 0,001  
 1 ml = 0,04903 g K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>  
 This volumetric solution was checked by means of potentiometric methods using a sodium thiosulfate standard solution, that was also checked against Scharlau's potassium iodate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
PO02311000	1 l	

**PO0232 Potassium dichromate, solution 1/24 mol/l (0,25 N)**



- K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>
- M = 294,19 g/mol
- CAS [7778-50-9]
- EINECS-No.: 231-906-6
- Density: 1,01 g/cm<sup>3</sup>
- LD 50 (oral, rat): 25 mg/kg (toxic component)
- EC-Index-No.: 024-002-00-6
- ADR: 6.1 T4 III UN 3287
- IMDG: 6.1 III UN 3287
- IATA/ICAO: 6.1 III UN 3287
- GHS-signal word: Danger
- GHS-H sentences: H334 - H340 - H350 - H360FD - H373 - H315 - H319 - H317 - H412
- GHS-P sentences: P260 - P285 - P305 + P351 + P338 - P321 - P405 - P501a

- Tariff number: 2841 50 00 00
- Applications: analytical chemistry, titrant in volumetric analysis, oxidizing agent, synthesis of organic products.

factor . . . . . 0,999 - 1,001  
 uncertainty ± 0,001  
 1 ml = 0,012258 g K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>  
 This volumetric solution was checked by means of potentiometric methods using a sodium thiosulfate standard solution, that was also checked against Scharlau's potassium iodate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
PO02321000	1 l	