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PO0233 Potassium dichromate, solution 0,04 mol/l, for COD determination 

- $K_2Cr_2O_7$
- $M = 294,19$ g/mol
- CAS [7778-50-9]
- EINECS-No.: 231-906-6
- Density: 1,004 g/cm³
- 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 (determining COD), oxidizing agent.

factor 0,999 - 1,001
uncertainty $\pm 0,001$
1 ml = 0,01176 g $K_2Cr_2O_7$
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
PO02331000	1 l	0

PO0234 Potassium dichromate 0,04 mol/l / mercury(II) sulfate 80 g/l, solution in sulfuric acid, for COD determination, according to ISO 6060 

- Density: ~ 1,19 g/cm³
- Solub. in water: (20 °C): miscible
- ADR: 8 CT1 II UN 2922
- IMDG: 8 II UN 2922
- IATA/ICAO: 8 II UN 2922
- GHS-signal word: Danger
- GHS-H sentences: H331 - H334 - H340 - H350 - H360FD - H373 - H314 - H302 - H317 - H411
- GHS-P sentences: P260 - P285 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 3822 00 00 00
- Applications: analytical chemistry, determining COD.
- Appearance: Orange liquid

titer 0,039 - 0,041
uncertainty $\pm 0,001$
1 ml = 0,01176 g $K_2Cr_2O_7$
This volumetric solution was checked by means of volumetric methods using an ammonium iron(II) sulfate standard solution, that was also checked against Scharlau's potassium dichromate 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
PO02341000	1 l	0

PO0230 Potassium dichromate, solution 1/60 mol/l (0,1N) 

- $K_2Cr_2O_7$
- $M = 294,19$ g/mol
- CAS [7778-50-9]
- EINECS-No.: 231-906-6
- Density: 1,002 g/cm³
- 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: H340 - H350 - H360FD - H412 - EUH208
- GHS-P sentences: P281 - P273 - P201 - P308 + P313 - P405 - P501a
- Tariff number: 2841 50 00 00
- Applications: analytical chemistry, titrant in volumetric analysis, oxidizing agent.

factor 0,999 - 1,001
uncertainty $\pm 0,001$
1 ml = 0,004903 g $K_2Cr_2O_7$
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
PO02301000	1 l	0

PO0221 Potassium dichromate, concentrated solution to prepare 1 l of solution 1/60 mol/l (0,1N) 

- $K_2Cr_2O_7$
- $M = 294,19$ g/mol
- CAS [7778-50-9]
- EINECS-No.: 231-906-6
- Density: 1,06 g/cm³
- Solub. in water: (20 °C): miscible
- 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.

amount of substance: 4,9031 g $K_2Cr_2O_7$
concentrated solution 1/6 mol/l $\pm 0,1$ %

ART. NO.	VOLUME	CONTAINER
PO022100PA	u.	0

POTASSIUM DIHYDROGEN PHOSPHATE

- Synonyms: Potassium biphosphate, Potassium phosphate monobasic, Primary potassium phosphate, Mono-potassium phosphate
- KH_2PO_4

- $M = 136,09$ g/mol
- CAS [7778-77-0]
- EINECS-No.: 231-913-4
- Solub. in water: (20 °C): 222 g/l

- Melting point: ~ 253 °C (decomposes)
- Tariff number: 2835 24 00 00
- Applications: analytical chemistry; in buffer solutions.