DI-PHOSPHORUS PENTOXIDE

- Synonyms: Phosphoric anhydride
- P_2O_5
- M = 141,96 g/mol
- CAS [1314-56-3]
- EINECS-No.: 215-236-1
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: ~ 580 - 585 °C
- Boiling point: 591 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- EC-Index-No.: 015-010-00-0
- ADR: 8 C2 II UN 1807
- IMDG: 8 II UN 1807
- IATA/ICAO: 8 II UN 1807
- GHS-signal word: Danger
- GHS-H sentences: H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2809 10 00 00
- Applications: analytical chemistry, synthesis of organic products, manufacture of dyes, desiccant.

AN0215 di-Phosphorus pentoxide, EssentQ®

assay (acidimetric) . . . . . min. 97 %

ART. NO.	VOLUME	CONTAINER
AN02151000	1 kg	

AN0217 di-Phosphorus pentoxide, ExpertQ®, for analysis, ACS, ISO

assay (acidimetric) . . . . . min. 99,5 %
identity . . . . . .passes test
insoluble in water . . . . . .max. 0,005 %
chlorides (Cl) . . . . . .max. 0,001 %
nitrates (NO_3) . . . . . .max. 0,0005 %
total nitrogen (as N) . . . . . .max. 0,002 %
ammonium (NH_4) . . . . . .max. 0,001 %
antimony (Sb) . . . . . .max. 0,001 %
arsenic (As) . . . . . .max. 0,01 %
cadmium (Cd) . . . . . max. 5 ppm
calcium (Ca) . . . . . .max. 0,005 %
cobalt (Co) . . . . . max. 5 ppm
copper (Cu) . . . . . max. 5 ppm
heavy metals (as Pb) . . . . . .max. 0,005 %
iron (Fe) . . . . . .max. 0,001 %
lead (Pb) . . . . . max. 5 ppm
magnesium (Mg) . . . . . .max. 0,001 %
manganese (Mn) . . . . . max. 5 ppm
nickel (Ni) . . . . . max. 5 ppm
potassium (K) . . . . . .max. 0,002 %
sodium (Na) . . . . . .max. 0,005 %
zinc (Zn) . . . . . max. 5 ppm
substances reducing $KMnO_4$ (as P_2O_3) . . . . .max. 0,02 %

ART. NO.	VOLUME	CONTAINER
AN02170500	500 g	
AN02171000	1 kg	
AN0217025P	25 kg	

PHOSPHORUS RED

FO0030 Phosphorus red, EssentQ®

- P
- M = 30,97 g/mol
- CAS [7723-14-0]
- EINECS-No.: 231-768-7
- Solub. in water: (20 °C): insoluble
- Ignition temp.: 300 °C
- EC-Index-No.: 015-002-00-7
- ADR: 4.1 F3 III UN 1338
- IMDG: 4.1 III UN 1338
- IATA/ICAO: 4.1 III UN 1338
- GHS-signal word: Danger
- GHS-H sentences: H228 - H412
- GHS-P sentences: P210 - P241 - P280 - P240 - P273 - P501a
- Tariff number: 2804 70 00 00
- Applications: synthesis of organic products, inorganic salts, in pyrotechnics, in fertilizer compositions.

assay . . . . . .min. 97 %
iron (Fe) . . . . . .max. 0,2 %
yellow phosphorus . . . . . .passes test

ART. NO.	VOLUME	CONTAINER
FO00300250	250 g	
FO00301000	1 kg	

PHOSPHOTUNGSTIC ACID HYDRATE

AC1130 Phosphotungstic acid hydrate, ExpertQ®, for analysis

- Synonyms: Tungstophosphoric acid hydrate
- $H_3[P(W_3O_{10})_4]\cdot xH_2O$
- M = 2880,17 g/mol
- CAS [12501-23-4]
- EINECS-No.: 215-682-7
- Solub. in water: (20 °C): soluble
- Melting point: 107 °C
- ADR: 8 C2 III UN 3260
- IMDG: 8 III UN 3260
- IATA/ICAO: 8 III UN 3260
- GHS-signal word: Danger
- GHS-H sentences: H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2811 19 80 90
- Applications: analytical chemistry, reagent for organic compounds detection.

chlorides (Cl) . . . . . .max. 0,005 %
sulfates (SO_4) . . . . . .max. 0,01 %
total nitrogen (as N) . . . . . .max. 0,002 %
copper (Cu) . . . . . .max. 0,001 %
iron (Fe) . . . . . .max. 0,002 %
lead (Pb) . . . . . .max. 0,002 %
potassium (K) . . . . . .max. 0,02 %
sodium (Na) . . . . . .max. 0,02 %
loss on ignition (750 °C) . . . . . max. 17 %

ART. NO.	VOLUME	CONTAINER
AC11300025	25 g	
AC11300100	100 g	