



Potassium Hydroxide Pellets – ACS, NF/FCC, Multi-compendial

PRODUCT PROFILE

Characteristics

Potassium hydroxide pellets are odorless, white, solid hemispheres of uniform diameter and thickness manufactured for human consumption in an FDA registered, cGMP 21CFR Part 110, and SQF Level 2 manufacturing facility in Midlothian, TX. The pellet form reduces dusting and caking so the product stores and handles better. Chemtrade certifies to ACS Reagent grade, NF/FCC grade, and Multi-compendia BP/EP/JP. The product is Kosher and Halal Certified, recognized as a GRAS ingredient by the FDA, free of many allergens, BPA free, BSE/TSE free, non-GMO, and free of pesticides.

Properties	
Chemical Formula	KOH
Molecular Weight	56.11
Absolute Density, g/cm ³	2.044
Melting Point, °C	360
Boiling Point, °C	1320
Solubility in Water*	96 at 0°C
<i>*Soluble in alcohol, glycerol</i>	119 at 25°C
<i>*Insoluble in ether and acetone</i>	178 at 100°C

Specifications

	REAGENT ACS	NF / FCC
Assay, % KOH	85.0 minimum	85.0 minimum (total alkali) (USP)
Identification A	-	To pass test (USP)
Identification B pH	-	NLT 10.5 (USP)
Potassium, %	-	NLT 59.9% (USP)
<i>Maximum limits of impurities:</i>		
Potassium Carbonate (as K ₂ CO ₃), %	2.0	3.5 (USP)
Chloride (Cl), %	0.01	-
Sodium (as Na), %	0.05	1.0 (USP)
Nickel (Ni), %	0.001	-
Iron (Fe), %	0.001	-
Phosphate (PO ₄), ppm	5	-
Heavy Metals, %	0.001	0.003 (USP)
Lead (Pb), ppm	-	2 (USP)
Mercury (Hg), ppm	-	0.1 (USP)
Nitrogen Compounds, %	0.001	-
Sulfate (as So ₄), %	0.003	-
Calcium (as Ca), %	0.005	-
Magnesium (as Mg), %	0.002	-
Insoluble Substances	-	To pass test (USP)



Markets & Applications

Pharmaceuticals

- ✚ pH and alkalinity adjustment
- ✚ Reactant, catalyst, and processing aid
- ✚ Softener for epidermis

Food

- ✚ pH and alkalinity adjustment
- ✚ Lye peeling of vegetable and fruits

Batteries

- ✚ Alkaline, nickel-cadmium & nickel-metal hydride batteries
- ✚ Fuel Cells

Chemicals

- ✚ Neutralizer and alkalinity control in analytical chemistry
- ✚ Manufacture of high-purity potassium compounds

Electronics

- ✚ Etchant in semiconductor wet processing

Photography

- ✚ Photoengraving and lithography

Textiles

- ✚ Bleaching textiles and mercerizing cotton

CORPORATE HEADQUARTERS

Chemtrade Logistics, Inc.
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SELECT SPECIALTIES SALES

Sales Inquiries:

SelectSpecialty@chemtradelogistics.com

To Place Orders:

(844) 204 9674

cssorders@chemtradelogistics.com

Logistics

MANUFACTURING & SHIPPING LOCATION

ACS, NF / FCC
Midlothian, TX USA

SHIPPING REGULATIONS

Hazard Class: 8
Label: *Corrosive*
ID Number: *UN1813*
Proper Shipping Name:
Potassium Hydroxide, Solid
Packing Group: *II*
RQ: *1000 lbs. (CASRN Formula Basis)*



PACKAGING OPTIONS

- ✚ 55 lb./25 kg. plastic pail with poly bag liner
- ✚ 110 lb./50 kg. fiber drum with poly bag liner

Shelf Life

5 years from date of manufacture. Some caking may develop within 1 year.

Storage Conditions

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store in original container or corrosive resistant and/or lined container. Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Storage areas should be periodically checked for corrosion and integrity.

Product Safety Information

As with any chemical, potassium hydroxide requires care in handling. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the Safety Data Sheet (SDS) for these products or you may contact Chemtrade at 416-496-5856.

In the event of an emergency with these products, call the 24 hour Emergency Number:
US Only: (CHEMTREC) (800) 424-9300