

# Product Sheet

**Revision: 3**  
**Date of Last Revision: January 1, 2010**  
**Replaces: September 21, 1999**

**Document: 45% KOH.doc**  
**Sheet 1 of 1**

## Caustic Potash, Liquid (Potassium Hydroxide, KOH) 45% KOH Standard Liquid Grade

Parameter	Specifications	Reference Methods
Total Alkalinity As Weight % KOH	45.0 to 46.0	ASTM: E - 291.90
Weight % K <sub>2</sub> CO <sub>3</sub>	0.2 Max.	AOAC: 920.194
Weight % NaOH	0.43 Max.	SMEWW: 3500-Na:C
Weight % Na	0.25 Max.	SMEWW: 3500-Na:C
ppm KCl	50 Max.	SMEWW: 4500-Cl:F
ppm KClO <sub>3</sub>	10 Max.	SMEWW: 4110
ppm K <sub>2</sub> SO <sub>4</sub>	30 Max.	SMEWW: 4500-SO <sub>4</sub> <sup>2-</sup> :B
ppm Fe	2 Max.	SMEWW: 3500-Fe:C
ppm Pb	0.90 ppm	SMEWW: 3500-Pb:C
ppm Heavy Metals (as Pb)	10 Max.	SMEWW: 3120
ppm Hg	0.045 Max.	SMEWW: 3500-Hg:B

CAS Registry Number: 1310-58-3

**Note:** This product meets the requirements for the following standards: Food Chemicals Codex VI.  
The United States Pharmacopoeia/National Formulary (32/27).  
ANSI/NSF 60.  
Kashruth-endorsed Orthodox Pareve Kosher at Ashtabula, Ohio.

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# Product Sheet

Revision: 3  
Date of Last Revision: January 1, 2010  
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Document: 50% KOH.doc  
Sheet 1 of 1

## Caustic Potash, Liquid (Potassium Hydroxide, KOH) 50% KOH Standard Liquid Grade

Parameters	Specifications	Reference Methods
Total Alkalinity as Weight % KOH	50.0 to 51.0	ASTM: E -291.90
Weight % K <sub>2</sub> CO <sub>3</sub>	0.2 Max.	AOAC: 920.194
Weight % NaOH	0.43 Max.	SMEWW: 3500-Na:C
Weight % Na	0.25 Max.	SMEWW: 3-Na:C
ppm KCl	50 Max.	SMEWW: 4500-Cl:F
ppm KClO <sub>3</sub>	10 Max.	SMEWW: 4110
ppm K <sub>2</sub> SO <sub>4</sub>	30 Max.	SMEWW: 4500-SO <sub>4</sub> <sup>2-</sup> :B
ppm Fe	2 Max.	SMEWW: 3500-Fe:C
ppm Pb	1.0 Max.	SMEWW: 3500-Pb:C
ppm Heavy Metals (as Pb)	10 Max.	SMEWW: 3120
ppm Hg	0.050 Max.	SMEWW: 3500-Hg:B

CAS Registry Number: 1310-58-3

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