



Specification

Church & Dwight Arm & Hammer™ Flow K™ Potassium Bicarbonate

Specifications

Description	Flow K® Potassium Bicarbonate is a food grade product comprised of potassium bicarbonate USP and a small amount of magnesium oxide USP flow aid is included to maintain handling characteristics.
Identification*	Responds to the test for potassium.
Assay-dry basis*	98.75 – 101.0% (as KHCO ₃)
Flow Aid	0.5 – 0.75% (as MgO)

*USP Method

General Properties (Not Specifications)

Appearance	White crystalline powder
Taste*	Slightly salty.
Thermal Decomposition	Decomposes without melting into K ₂ CO ₃ , CO ₂ , H ₂ O
Bulk Density	65 lb / ft. ³
Solubility in water	Complete except for flow aid
Solubility in alcohol	Insoluble
Alkali Equivalent	1 lb. Flow K® = 0.470 lb K ₂ O
Acid Equivalent	1 lb. Flow K® = 0.365 lb HCl
Carbon Dioxide Equivalent	1 lb. Flow K® = 0.440 lb CO ₂
pH 1% aqueous soln at 77°F	Approximately 8.3

Granulation (Typical)

Sieve Size (USS)	Microns	Ro-Tap % Fraction Retained
40	420	1
80	177	50
100	149	20

Reviewed: January 19, 2015