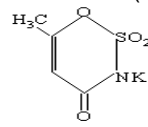


## Specification Sheet

### RightSweet™ Acesulfame K Food Grade<sup>1</sup>

<b>Product Name</b>	RightSweet™ Acesulfame K
<b>Synonyms</b>	Acesulfame potassium, Acesulfame K, ACK
<b>Product Code</b>	RACK – 100
<b>Definition</b>	
Chemical name	Potassium Salt of 6-methyl-1,2,3-oxathiazin-4(3H)-one-2,2-dioxide
C.A.S. number	55589-62-3
E number	E 950
Chemical formula	C <sub>4</sub> H <sub>4</sub> NO <sub>4</sub> KS
Molecular Weight	201.24
	
<b>Description</b>	
Appearance	A white, odorless, crystalline powder
Taste	Intense sweet taste – approx. 200 times sweeter than a 3% sucrose solution.
Solubility in Water	Freely Soluble. Approximately 27% at 20°C
Solubility in Ethanol	Slightly Soluble. Approximately 0.1% at 20°C
<b>Identification</b>	
ID A, Potassium test	Positive, yellow precipitate forms
ID B, UV absorption	Maximum absorption at 227 ± 2nm at concentration of 10mg/L
<b>Purity</b>	
Assay	Not less than 99.0% and not more than 101.0% of C <sub>4</sub> H <sub>4</sub> NO <sub>4</sub> KS after drying
Loss on Drying	Not more than 1.0% (105°C for 2 h)
Organic Impurities	Not more than 20 mg/kg
Impurity A <sup>2</sup>	Not more than 0.125%
Impurity B <sup>3</sup>	Not more than 20 mg/kg
Potassium	Between 17.0% and 21.0%
Fluoride	Not more than 3 mg/kg
Lead	Not more than 1 mg/kg
pH (1:100 solution)	Between 5.5 and 7.5
Heavy metals	Not more than 5 mg/kg
Arsenic	Not more than 3 mg/kg
Selenium	Not more than 30 mg/kg
<b>Microbiology</b>	
Total Plate Count	Not more than 1000 cfu/g
Total Yeast and Mold Count	Not more than 100 cfu/g
E. Coli	Not more than 10 cfu/g
Enterobacteria	Not more than 10 cfu/g
<b>Statement</b>	
This product meets the specifications of the Joint FAO/WHO Expert Committee of Food Additives ( <b>JECFA</b> ) as well as the Food Chemical Codex ( <b>FCC</b> ), the US Pharmacopeia ( <b>USP</b> ), the purity criteria laid down in the European Union Directive <b>95/31/EC</b> as amended, and the European Pharmacopeia ( <b>EP6</b> ).	
<b>Disclaimer</b>	
The information contained on this sheet is intended to provide guidance on our products and should not be construed as a guarantee. In some countries regulatory restrictions for the use of this product exist and must be observed.	

<sup>1</sup> Manufactured in China for The Ingredient House, LLC, USA

<sup>2</sup> Impurity A = 3-oxobutanamide (acetylacetamide)

<sup>3</sup> Impurity B = 5-chloro-6-methyl-1,2,3-oxathiazin-4(3H)-one-2,2-dioxide

Product:	Acesulfame K	Doc Name:	RightSweet ACK Specification 4-10		
Doc Effective Date:	4/26/10	Doc Revision:	1	Doc Expiration Date:	4/2/12
Date Printed:	5/5/10	Time:	4:09 PM	Page:	1 of 1