



Technical Information

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive

DESCRIPTION:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive are compacted, pillow-shaped briquettes of sodium chloride, to which an iron removal agent has been added. The salt is obtained from underground deposits by deep well solution mining.

COMPLIANCE:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive are approved for direct use in regenerating water softener ion-exchange resins by both the Food & Drug Administration and the U.S. Department of Agriculture, and meets the AWWA Standard for Sodium Chloride B200.

ADDITIVES:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive contain Citric Acid, a strong iron-complexing agent, which helps to prevent rust discoloration on tubs, toilets, sinks, dishes, cookware and laundry. The product also contains Sodium Hexametaphosphate (SHMP), which improves the product's resistance to mushing and bridging (U.S. Patent No. 4,992,208). Citric Acid and Sodium Hexametaphosphate are GRAS (generally recognized as safe) by the Food & Drug Administration.

APPLICATIONS:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive are intended for use in regenerating ion-exchange resin in both household and commercial water softeners, and can be utilized effectively in all types of water softening units. This product is designed for use where iron-fouling is a problem. **DO NOT USE WITH CHLORINE-TYPE CLEANSERS.** Always wash hands after contact to avoid the possibility of mild skin irritation.

PACKAGING AND STORAGE:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive are available only in 40lb., 50lb. and 80lb. polyethylene bags for added moisture protection. To improve caking resistance, the product should be stored in a dry, covered area at humidity below 75%.

METHODS OF ANALYSIS:

Methods of analysis are taken from ASTM E 534-98, AWWA B200-98 and Cargill.

OTHER PROPERTIES:

Diamond Crystal® Red-Out® Pellets with Iron Fighter® Additive exhibit virtually no microbiological activity.

CHEMICAL ANALYSIS:

Component	Units	Typical	Specification
Sodium Chloride (dry) ¹	%	99.86	99.80 min.
Calcium & Magnesium (as Ca)	%	0.04	-
Sulfate (as SO ₄)	%	0.06	-
Surface Moisture ²	%	0.03	0.1 max.
Citric Acid	%	0.35	0.4 max.
Copper (as Cu)	ppm	-	0.5 max.
Iron (as free Fe)	ppm	-	2.0 max.
Heavy Metals (as Pb)	ppm	<1.0	2.0 max.
Water Insolubles	ppm	5	100 max.

¹By difference of impurities.

²110°C for 2 hours.

SIEVE ANALYSIS:

U.S.S. Mesh	Opening Inches	Opening Microns	Typical	Specification
¼	0.250	6350	97	95 min.
Pan	-	-	3	5 max.

Note: Sieve analysis is reported as percent retained.

PRODUCING LOCATION: WATKINS GLEN, NY
No. 3409 Revised April 2002

CARGILL SALT

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NOTICE: All of the above statements, recommendations, suggestions and data are based on our laboratory results, and we believe same to be reliable. Nevertheless, with the exception of data showing an express guaranty (such as in the case of products specifically designed for use as nutrient supplements), all such statements, recommendations, suggestions and data hereinabove presented are made without guaranty, warranty or responsibility of any kind on our part.