PURAGEN ACTIVATED CARBON

Food and Beverage industry

PRODUCT	GAC	PAC	NEUTRAL pH	DECOLOURIZE	TASTE & ODOUR	T&O, HMF, 2AACP	PATULIN
Oxpure 325A - AW		√	√	√ √	-	√ √ √	-
Oxpure 325W		√	-	√	√ √	√ √	-
Oxpure 325W Ultra		√	-	√ √	-	-	-
Oxpure 325W – Ultra-N		√	√	√ √	-	-	-
Oxpure 325W – Ultra Plus		√	-	√ √ √	-	-	-
Oxpure 325C		√	-	-	√ √ √	-	√ √ √
Oxpure 2050C - AW	√		-	-	√ √ √	-	√ √
Oxpure 1240B - AW	√		-	√ √	√ √	√	√ √
Oxpure 1240B – AW Extra	√		√	√ √	-	-	
Oxpure 1240C - AW	√		-		√ √ √	-	√ √
Oxpure 830B - AW	√		√	√	-	√	-

Organic and Inorganic chemical processing

PRODUCT	GAC	PAC	NEUTRAL pH	SMALL ORGANICS	DECOLOURIZE	PURITY
Oxpure 325W		√	-	√	√	√
Oxpure 325W – Ultra		√	-	-	√ √ √	√
Oxpure 325W - Ultra N		√	√	-	√ √ √	√ √
Oxpure 325B - 10		√	-	√ √	√	-
Oxpure 1240A	√		-	√	√ √	√
Oxpure 840B	√		-	√ √	√	-
Oxpure 840B - AW	√		√	√ √	√	√ √
Oxpure 1240C	√		-	√ √ √	-	√
Oxpure 1240C - AW	√		√	√ √ √	-	√ √ √

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SWEETENERS

Sweeteners come from a variety of origins and each type has its own purification requirements. Sugar cane, for instance, only becomes white granulated sugar after large colour bodies like melanoidins and caramels are removed. Similarly, liquid sugars are perfected when “off” tastes and odours are removed. Starch based sweeteners, like glucose, dextrose, maltose and fructose, and artificial sweeteners have their own treatment requirements. Due to the variation in treatment objectives and application requirements, Puragen Activated Carbon offers a wide variety of products to meet your specific purification challenges.

BEVERAGES

Puragen Activated Carbon products purify beverages to make them look and taste better. Fruit juices achieve their light, crisp look and taste by removing colour bodies and impurities such as patulin. White zinfandel's signature pink colour comes from activated carbon filtration, and distilled spirits such as rum, whiskey and vodka are enhanced by the removal of taste and odour compounds. Beer-based malternatives are stripped of flavour and colour to produce malt-based tea, wine or lemonade flavoured alcoholic beverages. Puragen Activated Carbon offers a wide variety of products for beverage purification that meet the highest quality standards required for food applications.

ORGANIC CHEMICALS

Many of today's industrial chemical process facilities require the separation and purification of organic chemicals either in the final product or in process unit operations. Activated carbon is used in many of these separation and purification processes to remove unwanted reaction by-products or contaminants that may cause undesirable colour, reduced shelf life, or result in poor performance of the final products. Common organic chemicals using Puragen Activated Carbon products for purification can be synthetic organic chemicals such as fatty acid esters or biochemical such as amino acids such a citric acid, and MSG.

INORGANIC CHEMICALS

Similar to organic molecules, many of today's industrial facilities require the purification of inorganic chemicals either in the final product or in process unit operations. Operations that rely on activated carbon purification properties include the processing of minerals produced from mining ores such as trona (sodium carbonate) or phosphate in the production of phosphoric acid. Puragen Activated Carbon products have been used in many of these purification processes to remove unwanted by-products or contaminants that may cause undesirable colour, off tastes, reduced shelf life, or poor performance.

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