



# RUWF – PL1500

## POWDERED ACTIVATED CARBON

### DESCRIPTION

RUWF-PL1500 is a chemically activated wood based powdered activated carbon with unusually high adsorptive capacity for a broad range of organics. Its high surface area and large volume of meso pores allow it to rapidly remove color, taste, and odor compounds from solution. Thus, RUWF-PL1500 is designed for those applications requiring a minimum amount of carbon to remove a maximum amount of impurities. Specific cost effective uses are in purification of food products such as corn syrups, citric acid, hydrolyzed vegetable protein, monosodium glutamate, juices, wine, and in pharmaceutical and fine chemical purification. In addition PL1500's high purity and excellent filterability make it especially suited for these uses.

RUWF-PL1500 meets the food-grade quality of activated carbons as defined in the current edition of the Food Chemicals Codex. It is Certified to NSF/ANSI Standard 61 and is Kosher.

### TYPICAL APPLICATION

Batch treatment with RUWF-PL1500 powdered carbons is a cost effective way to achieve purity and color targets using minimal capital equipment where dosage levels may vary. The capital expense of fixed bed granular carbon vessels and piping systems can be avoided with batch mixing and filter press/leaf filters to remove the powdered carbon from solution.

### SAMPLES

Samples are available upon request.

### SAFETY:

Always refer to the Safety Data Sheet for detailed information on shipping, handling, storage, and use.

### IMPORTANT:

The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of Carbon Activated Corp. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

CAS Registry No.: 7440-44-0

Components listed in TSCA Inventory

### SPECIFICATIONS

Iodine Number	1000 mg/g min.
Molasses Decolorizing Index	20 min.
Filtering time (sec)	50 - 100
Moisture (as packed)	10 % max.
pH	4 - 6.5

### TYPICAL PROPERTIES

Apparent Density	20-23 lbs/ft <sup>3</sup>
Apparent Density	320-370 kg/m <sup>3</sup>
Ash	3 - 6 %
Surface Area	1400- 1800 m <sup>2</sup> /g
Pore volume to 1000 Å	1.1 – 1.3 cc/g
Water solubles	1 – 3 %
Particle Size	30 - 40 (d50, µ)

### PACKAGING

Multiwall bags	40 lbs (18.2 kg)
Bulk bags	700 lbs (318.2 kg)

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