



# CAMERON GREAT LAKES, INC.

## MOLECULAR FILTRATION SPECIALISTS

### NUK-TK Nuclear Grade Carbon

#### STANDARD SPECIFICATION

Activity for CCL <sub>4</sub> ,	ASTM D-3467	60%, Minimum
Moisture Content,	ASTM D-2867	5 %, Maximum
Particle Size,	ASTM D-2862/D-5158	8X16 US mesh On 6: 0.1% max. On 8: 5% max 8x12: 40-60% 12x16: 40-60% Thru 16: 5% max. Thru 18: 1% max.

#### TYPICAL PROPERTIES

Hardness,	ASTM D-3802	97
Bulk Density,	ASTM D-2854	.55 g/cm <sup>3</sup>
Ash Content,	ASTM D-2866	3%
pH Aqueous Extract,	ASTM D-3838	9.2 Minimum
% Impregnant		2.1 Potassium Iodide 3.1% TEDA
Ignition Temperature,	ASTM D-3466	330°C

#### RADIOIODINE REMOVAL EFFICIENCY, ASTM D-3803

50 mm bed depth

Molecular Iodine	30°C	95% RH	99.9% min.
Methyl Iodide	30°C	95% RH	97.0% min.
Methyl Iodide	80°C	95% RH	99.0% min.
Methyl Iodide	130°C	95% RH	98.0% min.
Molecular Iodine Retention	180°C		99.5% min.

Unless otherwise specified, particle size distribution will be 5% maximum on the top screen and 5% maximum through the bottom screen.

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