

## CATALYST GRADE OF ANTIMONY TRIOXIDE “PATOX-CF”

PATOX-CF is a special catalyst grade for polyester production reactions. The products have been developed through our research and endeavor for the quality improvement over more than 40 years. The products, with its stable high quality, are enjoying worldwide good reputations.

### Specification

		<u>Guaranteed Spec.</u>	<u>Typical Data</u>
Antimony trioxide	Sb <sub>2</sub> O <sub>3</sub>	99.90 % min.	99.91 %
Arsenic	As	100 ppm max.	76 ppm
Lead	Pb	90 ppm max.	38 ppm
Iron	Fe	20 ppm max.	3 ppm
Sulfate	SO <sub>4</sub>	20 ppm max.	8 ppm
Copper	Cu	5 ppm max.	<1 ppm
Nickel	Ni	5 ppm max.	<1 ppm
Color tone L*		98 min.	99.5
Transmittance in MEG		98.0 min.	98.3
Turbidity in HCl		9.0 ppm max.	4.5 ppm
Average particle size		0.10 – 0.50 μm	0.35 μm

### Characteristics

The rate of dissolution of this grade in ethylene glycol is very fast and practically no residues are left after dissolving. It is advantageous that no “clogging-up” occurs in the polyester production process, and “no clogging-up” leads to easy facility maintenance. The polyester chips and fibers produced with this grade show very little color fluctuation and the coloration for such products is very stable. Moreover, the fibers produced are free from troubles of “snapping”

### Packing

20 kgs net in bags

Inner Lining	: 1-ply polyethylene
Outer Lining	: 3-ply kraft paper.
Total	: 4-ply

\* The statement and methods presented herein about the products are based upon the best available data and practices currently known to us. However they are neither presentations nor warranties of performance, results or comprehensiveness of such data, and further they do not imply any recommendation to infringe any patent or offer of a license under any license.



<b>Head Office</b>	3-2 Shimomiyabi-cho, Shinjuku-ku, Tokyo 162-0822, Japan TEL 81-3-3235-0021 81-3-3235-0031 (Sales Department) FAX 81-3-5261-7335
<b>Osaka Branch</b>	Daido Seimei South Building, 1-2-11 Edobori, Nishi-ku, Osaka 550-0002, Japan TEL 81-6-7711-0120 FAX 81-6-7711-0121
<b>Nakase Refinery</b>	1198 Yoshii, Yabu-shi, Hyogo 667-1111, Japan TEL 81-79-667-2121 FAX 81-79-663-5000

<http://www.nihonseiko.co.jp>