DATE 2-4-66 CHARGE WRITTEN BY E. F. Klenke, Jr.

OBJECT: To prepare a bronze colored flake product using glass flakes as the substrate.

STEP-VAT	PROCEDURE	N-	USE #	USE OZ.	ANALYSIS	100% #
1	Into 170 lbs. of water at 80°C. dump 39# of glass flakes (equivalent of OU-2351-H)					
2	Stir 10 minutes, then, over 2 hrs. period, 2.04 lbs. TiO_2 (using "L" liquor)					
3	Heat to boil, at 1°C./min. and hold at temp. 1 hr.					
4	Filter, wash SOa^2 free (I 1500 ~)					
5	Reslurry in 25 gal. water at 20°-25°C.					
6	Pour in 42 lbs. of Copperas (N-262) and stir 15 mins. at temp.					
7	Add over 5 min. period a solution of { water -300# ; 35% H_2O_2 -42# }					
8	Heat to 80°C. at 2°C./min. rate and hold 1/2 hr. at 78°-82°C.					
9	Press and wash SOa^2 free (ca 1500 ~)					
10	Dry, then heat treat 1/2 hr at 650°-660°C.	Lot 00896				

GOAL: LUMP: 45.3# GRIND : PULV.: SPEED: MADE BY:

K-14697

N39898

NOTES

This product is a bronze flake, considerably more intense and brighter than NF-103-D. It has the general properties of NF-103-D except a lower melting point of about 750°C.

The final product contains 4.7% TiO_2 and has the following size distribution:

trace + 40 mesh
74% - 40+200 mesh
11.9% - 325 mesh

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