

Bill

WEST WINDSOR MILL

Sampling and Testing Procedures (Current)

Method of Test

(1) Asbestos

Windsor Tests

- a) Six-month composite of crude ore (ground) sent to McCrone on a monthly basis TEM
- Windsor retains a split

J & J Tests

- a) Windsor sends a composite sample of every two filled silos* to J & J (Skillman, NJ) approximately every 2.5 weeks XRD
- b) Quarterly composite of above silo samples is prepared by J & J and tested by McCrone TEM

(2) Heavy metals, moisture, solubility by acid, magnesite, color, fineness, bulk density

- a) Grab sample taken by Windsor every 2 hours - (testing for color, bulk density, insolubles)
- b) Composite sample of each silo* tested for all items in (2) and (3)
- Each silo must be approved by Windsor QA

(3) Arsenic

- a) Composite sample prepared of crude ore from incoming trucks
- From every 3-4 trucks
- b) Composite sample prepared from every 5 production days (from finished product)
- c) Composite sample of each silo* tested
- Each silo must be approved by Windsor QA



* Silo composite - compiled from in-stream auto samples which takes several samples per shift. Shift composites are compiled into a silo composite which is completed and tested approximately every 5 production days.

(4) • Microbial

- Grab sample from each shift (3 per day) Various
~~Finished product~~ sent to J & J (Royston Lab)
by overnight mail
- Windsor QA approves silo based on results of
J & J microbe tests (phoned in daily)
- Grab sample of finished product from each rail- Various
car sent to J & J
- NOTE: Windsor is installing an auto
sampler to take samples from each tanker
truck used to fill each railcar (3 trucks
per railcar)
- J & J samples each railcar on arrival

Product Certification

Windsor includes with each shipment a Certificate of Analysis which references the silo number.

- Arsenic
- Heavy Metals
- Magnesite
- Water Soluble Iron
- Fineness
- Color
- Solubility by Acid
- Moisture
- Bulk Density

Cyprus Planned Testing Program (Cosmetic Products) - Using XRD (Asbestos)

- Step 1 Composite sample of drill holes at mine
- No ore shipped to plant until tests prove no quantifiable levels of asbestos are present
- Step 2 Composite sample of crude ore going into crude ore stockpile
- Step 3 Composite sample of each flotation batch (about 100 tons)
- Step 4 Composite sample of finished product going into each railcar or truck.