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Hans Walden

EFFECTIVE
DATE: 10-20-05

NUMBER
121

APPROVED: Mike Ziegler
Plant Manager

Mike Ziegler

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SUPERSEDE
07-18-05

MANUAL TYPE: CHEMICAL PRODUCT SPECIFICATIONS

TITLE: NATS (SODIUM TOLUENE SULFONATE)

| <u>PROPERTY</u> | <u>TARGET</u> | <u>MIN</u> | <u>MAX</u> | <u>UOM</u> |
|--|---------------|------------|------------|------------|
| IR Spectrum % | TBD | TBD | TBD | |
| Sodiumsulfate, Na ₂ SO ₄ , % | | 0.0 | 1.0 | % |
| Iron, ppm | | 0.00 | 10.0 | ppm |
| Moisture Content, % | | 0.000 | 1.8 | % |
| Color, APHA | | 0 | 25 | |
| PHA | 7.0 | 6.6 | 7.4 | |
| PHB | 7.0 | 6.6 | 7.4 | |
| Size: Retained on 20 mesh, % | | 0.0 | 2.0 | % |