



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

SPECIFICATION SHEET

LIMETREE SAPWOOD 5:1 EXTRACT

| Code No. | SCN No. | CAS No. | Effective Date | Product Manager | Rev. No. | Approved By |
|----------|---------|---------|-----------------|-----------------|----------|-------------|
| LSETFP | 3040 | - | August 31, 2011 | SW | Original | CDS |

| CHARACTERISTICS: | Spraydried preparation of limetree (<i>Tillia Cordata L.</i>) sapwood extract, of French origin. Water extraction, spraydrying. Polyphenols, coumarins and flavonoids expressed as monomers and oligomers. | |
|------------------|--|--|
| Appearance | Dark brown powder | |
| Taste | Sweet, then slightly bitter | |
| Smell | Aromatic | |
| Carrier | Maltodextrin | |
| Extract Ratio | 5:1 | |

| SPECIFICATIONS: | Total Polyphenols (OD 280 nm) | Greater than 5% |
|----------------------------------|-------------------------------|-----------------|
| Identification | | |
| Polyphenols reaction | Blue color | |
| Catechin derivatives reaction | Red color | |
| Reducing sugars before hydrolyse | Greater than 10% | |
| Reducing sugars after hydrolyse | Greater than 20% | |
| Loss on drying | Less than 8% | |
| Ash | Less than 15% | |
| pH at 1% | 4 to 7 | |
| Solubility at 1% | Greater than 90% | |
| Tapped density | 0.4 to 0.8 g/cm ³ | |
| Particle size | 95% less than 200µm | |

| PACKAGING: | 25 kg bag in cardboard box |
|------------|----------------------------|
|------------|----------------------------|

| APPLICATIONS: | Capsules and tablets for nutritional applications |
|---------------|---|
|---------------|---|

| SHELF LIFE AND STORAGE INSTRUCTIONS: | Hygroscopic powder, store in a dry place Best before: 24 months from date of manufacture |
|--------------------------------------|---|
|--------------------------------------|---|