

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

|                         |  |
|-------------------------|--|
| <b>Catalogue Number</b> | 29023  |
| <b>Product</b>          | <b>2',3'-Di-O-acetyl-5'-deoxy-5-fluorocytidine</b> |

|                   |                 |
|-------------------|-----------------|
| <b>Lot Number</b> | 002008-20130501 |
|-------------------|-----------------|

|                   |             |
|-------------------|-------------|
| <b>CAS Number</b> | 161599-46-8 |
|-------------------|-------------|

|                          |  |
|--------------------------|--|
| <b>Molecular Formula</b> | C <sub>13</sub> H <sub>16</sub> FN <sub>3</sub> O <sub>6</sub> |
|--------------------------|--|

|                         |        |
|-------------------------|--------|
| <b>Molecular Weight</b> | 329.28 |
|-------------------------|--------|

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|                   |                                       |
|-------------------|---------------------------------------|
| <b>Appearance</b> | White or off-white crystalline powder |
|-------------------|---------------------------------------|

|                   |                              |
|-------------------|------------------------------|
| <b>Solubility</b> | Freely soluble in chloroform |
|-------------------|------------------------------|

|                      |            |
|----------------------|------------|
| <b>Melting Point</b> | 185-192° C |
|----------------------|------------|

|                     |          |
|---------------------|----------|
| <b>Heavy Metals</b> | < 20 ppm |
|---------------------|----------|

|                         |      |
|-------------------------|------|
| <b>Optical Rotation</b> | +80° |
|-------------------------|------|

|                       |       |
|-----------------------|-------|
| <b>Loss on Drying</b> | 0.73% |
|-----------------------|-------|

|                            |        |
|----------------------------|--------|
| <b>Residue On Ignition</b> | ≤ 0.1% |
|----------------------------|--------|

|                       |        |
|-----------------------|--------|
| <b>Purity by HPLC</b> | 99.50% |
|-----------------------|--------|

|                |       |
|----------------|-------|
| <b>Storage</b> | 0-8°C |
|----------------|-------|

|                |   |
|----------------|---|
| <b>Remarks</b> | See material safety data sheet for additional information |
|----------------|---|

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**