

Batch 0.012

127	-1	1
128	0	0
128	0	0
128	0	0
128	0	0
	<u>0</u>	<u>0</u>
	-1	1
$\div 5 =$	-0.2	

$$\sigma^2 = \frac{1 - 5 \times 0.2^2}{4} \times 10^{-6}$$

$$= \frac{0.8}{4} = 0.2 \times 10^{-6}$$

$$\sigma = 0.447214 \times 10^{-3}$$

$$\bar{x} = 0.1278$$

126	1	1
127	2	4
125	0	0
125	0	0
126	1	1
	<u>4</u>	<u>6</u>
$\div 5 =$	0.8	

$$\sigma^2 = \frac{6 - 5 \times 0.8^2}{4} \times 10^{-6}$$

$$= \frac{6 - 3.2}{4} = \frac{2.8}{4} = 0.7 \times 10^{-6}$$

$$\sigma = 0.836667 \times 10^{-3}$$

$$\bar{x} = 0.1258$$

123	-3	9
127	1	1
128	2	4
126	0	0
128	2	4
	<u>2</u>	<u>4</u>
$\div 5 =$	0.4	1.8

$$\sigma^2 = \frac{18 - 5 \times 0.4^2}{4} \times 10^{-6}$$

$$= \frac{18 - 0.8}{4} = \frac{17.2}{4} = 4.3 \times 10^{-6}$$

$$\sigma = 2.073644 \times 10^{-3}$$

$$\bar{x} = 0.1264$$

Arith. ave = $\frac{0.1278 + 0.1258 + 0.1264}{3} = 0.126667$

$$\div 1.23 = 0.102981$$

Weighted

0.1278	σ^2	1/6 ²	π/σ^2
0.1258	0.447214	2.236066	0.285769
0.1264	0.836667	1.195219	0.150359
	2.073644	0.482243	0.060955
		<u>3.913528</u>	<u>0.497083</u>

$$\text{we ave} = 0.12702 \quad \div 1.23 = 0.103268$$

$$\text{diff} = 0.000287$$

EXHIBIT NO. 70
 Admitted:
 Not Admitted:
 Date: 10/26/07