

TABLE 3

7mm EXPRESS REMINGTON
EFFECT OF SEVERE STORAGE CONDITIONS ON PRESSURE
AVERAGE ($\bar{P}$), MAXIMUM (P_{MAX}), STANDARD DEVIATION (σ), $\bar{P}+3\sigma$
10 ROUND TEST SAMPLE*

	CODE M09I MIXED POWDER AMMUNITION	CODE N22B CONTROL AMMUNITION
+150F 6 DAY DRY STORAGE	$\bar{P}$ =63650 P _{MAX} =68700 σ =3835 $\bar{P}+3\sigma$ =75155	$\bar{P}$ =57190 P _{MAX} =59800 σ =1343 $\bar{P}+3\sigma$ =61219
90% R.H. 120F 6 DAY HUMID STORAGE	$\bar{P}$ =55450 P _{MAX} =59900 σ =3263 $\bar{P}+3\sigma$ =65239	$\bar{P}$ =52590 P _{MAX} =55300 σ =2550 $\bar{P}+3\sigma$ =60240
AMBIENT STORAGE	$\bar{P}$ =57620 P _{MAX} =62000 σ =3642 $\bar{P}+3\sigma$ =68546	$\bar{P}$ =53790 P _{MAX} =60400 σ =2931 $\bar{P}+3\sigma$ =62583

* Fired at Ambient Conditions

PRESSURE SPECIFICATIONS in psi

Lonoke Control: Max Sample Avg = 60000
SAAMI Service: Max Product Avg = 65000
Max Value of Sample Avg + 3σ = 71700
SAAMI Proof: Nominal Avg = 84600
Min: Sample Avg - 3σ = 71800
Max: Sample Avg + 3σ = 97500

ADMCD-7/80