

# RESTRICTED INGREDIENTS CALCULATIONS

\*\*\*Cure accelerators or phosphates can be substituted for nitrite in below equations\*\*\*

## *Sodium Nitrite – Comminuted*

$$\text{ppm in product} = \frac{(\text{lb. nitrite})(1,000,000)}{\text{green weight of meat block}}$$

$$\text{lbs. of sodium nitrite to add} = (\text{ppm} / 1,000,000)(\text{meat block})$$

## *Sodium Nitrite – Injection*

$$\text{ppm in product} = \frac{(\text{lb. nitrite})(\% \text{ injection})(1,000,000)}{\text{total lbs. of brine}}$$

$$\text{lbs. of sodium nitrite to add} = [(\text{ppm} / 1,000,000)(\text{total lbs. of brine})] / \% \text{ injection}$$

## *Curing Salt (6.25% sodium nitrite) – Comminuted*

$$\text{ppm in product} = \frac{(\text{lb. curing salt})(0.0625)(1,000,000)}{\text{green weight of meat block}}$$

$$\text{lbs. of curing salt to add} = [(\text{ppm} / 1,000,000)(\text{meat block})] / 0.0625$$

## *Curing Salt (6.25% sodium nitrite) – Injection*

$$\text{ppm in product} = \frac{[(\text{lbs. of curing salt})(0.0625)(\% \text{ injection})(1,000,000)]}{\text{lbs. of total brine}}$$

$$\text{lbs. of curing salt to add} = \frac{\text{ppm} / 1,000,000}{\% \text{ injection}} = X$$
$$[(X)(\text{lbs. of total brine})] / .0625$$