

# DEFENSE SPRAY PUNGENCY CHART

Agencies should use the chart below to find out where the pungency of your current brand rates with the pungency of alternate brands. Please remember, the Scoville Value and percentage of Total Capsaicinoids, are the true determinants of the pungency and/or strength of all defense sprays and not the OC percentage or Scoville Heat Units (SHU) by themselves.

OC Pungency Chart (Pure capsaicin included for comparison purposes only)				
Active Ingredient	Canister Weight Concentration	*Scoville Heat Units	Scoville Value	**Total Capsaicinoids
<i>Pure Capsaicin</i>	<i>10%</i>	<i>*16,000,000</i>	<i>1,600,000</i>	<i>10%</i>
American Defense (ADR)	10%	2,000,000	200,000	1.25%
BodyGuard (LE-10)	10%	2,000,000	200,000	1.25%
CQB (Red Formula)	10%	2,000,000	200,000	1.25% ✓
Sabre Red	10%	2,000,000	200,000	1.25%
Cap Stun	5.5%	2,509,090	138,900	0.86%
CQB (US DOD)	5.5%	2,000,000	110,000	0.69% ✓
Fox Labs	2%	5,300,000	106,000	0.66%
American Defense (ADW)	5%	2,000,000	100,000	0.62%
ATF™	5%	2,000,000	100,000	0.62%
BodyGuard (LE-5)	5%	2,000,000	100,000	0.62%
CQB (White Formula)	5%	2,000,000	100,000	0.62% ✓
Punch II & III	5%	2,000,000	100,000	0.62%
Federal Labs	5.5%	1,000,000	55,000	0.34%
Sabre 5.5	5.5%	1,000,000	55,000	0.34%
American Defense (ADB)	10%	500,000	50,000	0.31%
CQB (Blue Formula)	10%	500,000	50,000	0.31% ✓
Sabre Defense	10%	500,000	50,000	0.31%
CTS (1441)	11%	363,635	40,000	0.25%
Def-Tec (First Defense)	10%	320,000	32,000	0.20%
Federal Labs (Pepper 10)	10%	320,000	32,000	0.20%
CTS (1440)	10%	288,000	28,800	0.18%

NOTE: Comparative data obtained from manufacturers marketing material and believed to be true at the time of printing.

\* In accordance with AOAC Revised Official Method 995.03 and ASTA Test Method 21.3.

\*\* Tolerances are ± .02.

✓ Manufactured by CQB, Inc., Knoxville, TN [www.cqbsupply.com](http://www.cqbsupply.com)

