

U.S. ARMY PEPPER SPRAY PRODUCTION QUALIFICATION TEST

April 22, 2002 the US Army Developmental Test Command (DTC) issued a Test Directive to the US Army Test Center, Aberdeen Test Center (ATC) to conduct a Production Qualification test (PQT) and User Demonstration (UD) of commercially available pepper spray products. The tests were conducted from June – September 2002 (DTC project No. 8-ES-735-RCA-001).

Four (4) manufacturers participated by supplying ATC with both live and inert canisters. However, only three successfully completed the down select evaluation process and were recommended for further testing. Having scored a reliability percentage of only 74%, Defense Technology did not pass the initial quality assurance (QA) and performance parameters criteria during “down select” tests and was not recommended for further testing.

The three (3) remaining manufacturers were subjected to a Production Qualification test (PQT) consisting of MIL-STD-810E environmental testing and User Demonstration (UD) conducted at Fort Leonard Wood, MO. During the PQT all three manufacturers demonstrated some degree of difficulty with at least one test. During the user demonstration (UD) live and inert training units were operated by active duty Military Police ranking from Private to Staff Sergeant. The objectives of this test were:

Safety	Dust	High Temperature Storage
Reliability	Fungus	High Temperature Operation
Shock Resistance	Humidity	Low Temperature Storage
Loose Cargo Vibration	Corrosion	Low Temperature Operation

After exposure to each environment, each manufacturer’s canister was again tested using key performance parameters. The user demonstration was conducted using active duty Military Police personnel who conducted each test, answered a questionnaire in the after action review.

FINAL TEST RESULTS

After completing the User Demonstration testing of three thousand plus (3,000+) cans, US DoD contract # DAAD13-02-C-0036 was awarded for the following items:

NSN # 1365-01-501-4380 for “OC”	M39 (MK-4, Flip-Top, OC, Stream Delivery)
NSN # 1365-01-501-4384 for “CS”	M38 (MK-4, Flip-Top, CS, Stream Delivery)
NSN # 1365-01-501-4423 for “INERT TRAINER”	M40 (MK-4, Flip-Top, INERT, Stream Delivery)

The formulations rejected by US DoD for contract award were Sabre, Defense Technology, and Reliapon.

COMMERCIAL AVAILABILITY

This formulation is water based, safe for use TASER® brand energy weapons, and is commercially available to US law enforcement & corrections agencies under the CQB brand aerosol label using the following part numbers:

<u>Part ID #</u>	<u>Can Size</u>	<u>Fluid Oz.</u>	<u>Item Description</u>
LIVE			
55312	MK-3	2.03 oz. / 60 ml	Flip-Top / Stream Delivery
55412	MK-4	3.39 oz. / 100 ml	Flip-Top / Stream Delivery
55612	MK-6	0.68 oz. / 20 ml	Flip-Top / Stream Delivery
55951	MK-9	13.63 oz. / 403 ml	Pistol-Grip / Stream Delivery
INERT TRAINING UNITS			
00312	MK-3	2.03 oz. / 60 ml	Training / Flip-Top / Stream
00412	MK-4	3.53 oz. / 100 ml	Training / Flip-Top / Stream

It is universally recognized that the United States of America fields beyond a doubt, the most highly trained and well equipped military in the world. We are especially proud that our US DoD Formula is currently in use by the US DoD in worldwide operations.