CONSOLIDATED APPLICATION
UNC 2600 SHIPPING CONTAINER
USNRC CERTIFICATE OF COMPLIANCE 5086

1. General Information:

This package consists of an outer steel drum, an inner steel cage assembly to centralize and firmly locate an inner steel container box.

1.1 Introduction: The UNC 2600 package will be used to ship dry compositions of uranium containing materials with less than 10 Kg of U235 per package. It shall be used for Fissile Class II and III as follows:

Fissile Class II and III

(1)	Minimum transport index to be shown on label for Class II	10.0
(2)	Maximum number of packages per shipment for Class III	Ten (10)

1.2 Package Description:

1.2.1 Packaging:

(1) Weight - Nominal container empty - 800 lbs.
Max. weight of contents - 308 lbs.
Nominal gross weight - 1,108 lbs.

(2) Materials of Constructions - The package is entirely of mild steel with the exception of the internal rubber bumpers, wooden spacer blocks in the inner container, and optional external wood blocks. Drawing D-20354-6, Sheet 7, Rev. 4 shows important construction details in Appendix 1.3

(3) Description - The inner container is an 11 gage box 96" long with a 25 square inch maximum cross section. The inner container is supported in a 22-1/2" I.D. by 102" long 14 gage drum by an insertable cage formed by nine 21-1/2" diameter by 3/8" thick plates spaced approximately 12" apart, with a channel formed through the center of the plates by angle iron. The outer container closure is made with a 14 gage or heavier drum lid with bolt locking ring utilizing not less than 5/8" diameter steel bolt or lock nut.

(4) Pressure Relief - Any pressure is relieved by the ungasketed lid seal.