

American National Standard

specifications for sealed radioactive check sources used in liquid-scintillation counters

ANSI N42.16-1986



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**American National Standard
Specifications for Sealed Radioactive Check
Sources Used in Liquid-Scintillation Counters**

National Committee on Radiation Instrumentation, N42
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Foreword

(This Foreword is not a part of ANSI N42.16-1986, American National Standard Specifications for Sealed Radioactive Check Sources Used in Liquid-Scintillation Counters.)

Performance evaluation of liquid-scintillation counting systems in accordance with ANSI N42.15-1980 requires the use of standardized check sources. This standard provides specifications for such sources.

This standard is the responsibility of the Accredited Standards Committee N42 on Radiation Instrumentation. Committee N42 delegated the development of the standard to its Subcommittee N42.2. Drafts were reviewed by members of Committee N42 and Subcommittee N42.2 and by other interested parties, and the comments received were utilized in producing the standard as finally approved and issued. The standard was approved by Committee N42 letter ballot of October 10, 1984.

At the time it approved this standard, the Accredited Standards Committee N42 on Radiation Instrumentation had the following members:

Louis Costrell, Chairman

David C. Cook, Secretary

<i>Organization Represented</i>	<i>Name of Representative</i>
American Chemical Society	<i>Vacant</i>
American Conference of Governmental Industrial Hygienists	Jesse Lieberman
American Industrial Hygiene Association	<i>Vacant</i>
American Nuclear Society	Frank Manning
American Society of Mechanical Engineers	<i>Vacant</i>
American Society of Safety Engineers	<i>Vacant</i>
Atomic Industrial Forum	<i>Vacant</i>
Health Physics Society	J. B. Horner Kuper
	Jack M. Selby (<i>Alt</i>)
	Louis Costrell
Institute of Electrical and Electronics Engineers	David C. Cook (<i>Alt</i>)
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Members-at-Large	Joseph G. Bellian
	David C. Cook
	O. W. Bilharz, Jr
	John M. Gallagher, Jr
	Richard F. Shea
	E. J. Vallario

At the time this standard was approved, Subcommittee N42.2 had the following members:

F. X. Masse, Chairman

J. M. Robin Hutchinson, Secretary

Ron Althardt	James Gibbs	William MacIntyre
Karl Amlauer	Allen Goldstein	Wilfrid B. Mann
John H. Buchanan	Donald Hamilton	Gerald Martin, Jr
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Rod Dayton	Donald S. Kearns	M. J. Oestmann
Roger Ferris	Y. Kobayashi*	J. Ring
R. J. Gehrke		Carl W. Seidel

*Served as project leader for the development of this standard.