

Approval No **IRR1**

HEALTH AND SAFETY AT WORK ETC ACT 1974

IONISING RADIATIONS REGULATIONS 1999

APPROVAL

The Health and Safety Executive, for the purposes of Column 5, Part I of Schedule 8 to the Ionising Radiations Regulations 1999, approves the quantities specified in Schedule 1 to this certificate.

This approval shall remain in force until revoked in writing by the Health and Safety Executive.

Signed by

P Dickenson

A person duly authorised by the
Health and Safety Executive to act in
that behalf

Dated

17 January 2005

SCHEDULE 1
TO CERTIFICATE OF APPROVAL No. IRR 1

Radionuclide name, symbol	Quantity (Bq)
Nitrogen	
N-13	$1 \cdot 10^9$
Oxygen	
O-15	$1 \cdot 10^9$
Neon	
Ne-19	$1 \cdot 10^9$
Argon	
Ar-37	$1 \cdot 10^9$
Ar-39	$1 \cdot 10^5$
Ar-41	$1 \cdot 10^9$
Krypton	
Kr-74	$1 \cdot 10^9$
Kr-76	$1 \cdot 10^9$
Kr-77	$1 \cdot 10^9$
Kr-79	$1 \cdot 10^6$
Kr-81	$1 \cdot 10^7$
Kr-81m	$1 \cdot 10^{10}$
Kr-83m	$1 \cdot 10^{12}$
Kr-85	$1 \cdot 10^5$
Kr-85m	$1 \cdot 10^{10}$
Kr-87	$1 \cdot 10^9$
Kr-88	$1 \cdot 10^9$
Xenon	
Xe-120	$1 \cdot 10^9$
Xe-121	$1 \cdot 10^9$
Xe-122+	$1 \cdot 10^9$
Xe-123	$1 \cdot 10^9$
Xe-125	$1 \cdot 10^9$
Xe-127	$1 \cdot 10^6$
Xe-129m	$1 \cdot 10^5$
Xe-131m	$1 \cdot 10^5$
Xe-133	$1 \cdot 10^5$
Xe-133m	$1 \cdot 10^5$
Xe-135	$1 \cdot 10^{10}$
Xe-135m	$1 \cdot 10^9$
Xe-138	$1 \cdot 10^9$