

## DATA DICTIONARY

**Table 1. Total inward leakage (TIL) values for FFP1 filtering facepiece respirators**

Field Name	Contents
Subject	Subjects tested in the study to measure TIL
FFP1 Respirator	European certified FFP1 Filtering facepiece respirator
Model A, Model B	Two FFP1 respirator models tested in the study to measure TIL
Fit factor	Fit factor measured against ambient aerosols with test subjects
NaCl	TIL values measured in NaCl aerosol chamber with test subjects
NaCl corrected	TIL values corrected for lung deposition during the test
Corn oil	TIL values measured in corn oil aerosol chamber with subjects

**Table 2. Total inward leakage (TIL) values for N95 filtering facepiece respirators**

Field Name	Contents
Subject	Subjects tested in the study to measure TIL
N95 Respirator	NIOSH approved N95 Filtering facepiece respirator
Model A, Model B	Two N95 respirator models tested in the study to measure TIL
Fit factor	Fit factor measured against ambient aerosols with test subjects
NaCl	TIL values measured in NaCl aerosol chamber with test subjects
NaCl corrected	TIL values corrected for lung deposition during the test
Corn oil	TIL values measured in corn oil aerosol chamber with subjects

**Table 3. Total inward leakage (TIL) values for P100 filtering facepiece respirators**

Field Name	Contents
Subject	Subjects tested in the study to measure TIL
P100 Respirator	NIOSH approved P100 Filtering facepiece respirator
Model A, Model B	Two P100 respirator models tested in the study to measure TIL
Fit factor	Fit factor measured against ambient aerosols with test subjects
NaCl	TIL values measured in NaCl aerosol chamber with test subjects
NaCl corrected	TIL values corrected for lung deposition during the test
Corn oil	TIL values measured in corn oil aerosol chamber with subjects

**Table 4. Total inward leakage (TIL) values for elastomeric Half-facepiece respirators (EHR)**

Field Name	Contents
Subject	Subjects tested in the study to measure TIL
Elastomeric Half-facepiece Respirator (EHR)	NIOSH approved EHRs
Model A, Model B	Two EHR respirator models tested in the study to measure TIL
Fit factor	Fit factor measured against ambient aerosols with test subjects
NaCl	TIL values measured in NaCl aerosol chamber with test subjects
NaCl corrected	TIL values corrected for lung deposition during the test
Corn oil	TIL values measured in corn oil aerosol chamber with subjects

**Table 5. Total inward leakage (TIL) and filter penetration for respirators**

Field Name	Contents
Respirator	Respirator categories tested in the study
Model	Respirator models tested in the study to measure TIL
Aerosol	Aerosol used when TIL was measured
GM TIL	Geometric mean value of TIL shown for NaCl (corrected) or corn oil aerosol for the respective respirator model
GSD	Geometric mean deviation value
Filter penetration	Filter penetration measured for respirator models in NaCl or corn oil aerosol chamber