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ABBREVIATIONS AND SYMBOLS

ACI	=	Andersen cascade impactor
BP	=	British Pharmacopoeia
°C	=	degree Celsius
CFC	=	chlorofluorocarbon
cm	=	centimeter
cm/s	=	centimeter per second
COPD	=	chronic obstructive pulmonary disease
D	=	characteristic distance or pipe diameter
DPI	=	dry powder inhaler
eg.	=	<i>exempli gratia</i>
FPF	=	fine particle fraction
g	=	gram
h.	=	hour
HPLC	=	high performance liquid chromatography
L	=	liter
L min ⁻¹	=	liter per minute
m	=	meter
mA	=	milliAmpere

ABBREVIATIONS AND SYMBOLS (Continued)

mbar	=	millibar
mg	=	milligram
min	=	minute
ml	=	milliliter
mm	=	millimeter
MMAD	=	mass median aerodynamic diameter
μg	=	microgram
μm	=	micrometer
n	=	number of sample
nm	=	nanometer
Pa	=	Pascal
P_D	=	the pressure drop across the device
pMDI	=	pressurized metered dose inhalers
Q	=	flow-rate
R^2	=	correlation coefficient
R_D	=	specific resistance of the device
Re	=	Reynolds number
rpm	=	round per minute

ABBREVIATIONS AND SYMBOLS (Continued)

RSD	=	relative standard deviation
SD	=	standard deviation
SEM	=	scanning electron microscopy
T _g	=	glass temperature
TSI	=	twin stage impinger
UK	=	United Kingdom
USP	=	The United States Pharmacopoeia
UV	=	ultraviolet
V	=	free-stream fluid velocity
w/v	=	weight by volume
\bar{x}	=	mean
η	=	gas viscosity
ρ	=	gas density