
Extraordinary General Meeting of Shareholders

2021 PROXY - Extraordinary General Meeting of Shareholders

ASM International N.V.

ASM International N.V. (the “Issuer”)

This proxy card must be received by Citibank, N.A., at the address indicated below, prior to 10:00 A.M. (EDT) on September 23, 2021 for action to be taken.

ASM International N.V., a company organized under the laws of the Netherlands
Common Shares - Proxy

Extraordinary General Meeting of Shareholders - September 29, 2021 at 12:30 P.M. (CET) The meeting is organized at the ASM International N.V. office, Versterkerstraat 8, Almere, the Netherlands, but will be a virtual meeting and cannot be attended in person.

THIS PROXY IS SOLICITED ON BEHALF OF THE MANAGEMENT BOARD OF ASM INTERNATIONAL N.V. FOR
THE 2021 EXTRAORDINARY GENERAL MEETING OF SHAREHOLDERS

The undersigned, who is the holder or beneficial owner of record of the Common Shares of New York Registry of ASM International N.V. identified on the reverse side of this proxy card, hereby appoints **Benjamin (Gek Lim) Loh and Paul A.H. Verhagen**, and each of them, proxies and attorneys-in-fact, with full power to each of substitution, on behalf and in the name of the undersigned to represent the undersigned at the 2021 Extraordinary General Meeting of Shareholders to be held on Wednesday, September 29, 2021, at 12:30 P.M. (CET) at the ASM International N.V. office, Versterkerstraat 8, Almere, the Netherlands, and at any adjournment or adjournments thereof, and to vote all Common Shares of New York Registry which the undersigned would be entitled to vote if then and there present on the matters and in the manner set forth on the reverse of this proxy card hereby revoking any proxy previously given.

The agenda plus explanatory notes and any other meeting documents are available on the Issuer's website at <http://www.asm.com/investors/corporate-governance/agm>.

Please indicate on the reverse side of this proxy card how your shares are to be voted. This proxy card must be marked, signed and returned to Citibank, N.A. prior to 10:00 A.M. (EDT) on September 23, 2021, in order to be counted.

If this proxy card is signed and timely returned to Citibank, N.A., but no specific direction as to voting is marked as to a Proposal, the undersigned shall be deemed to have given a proxy to vote “FOR” all Proposals and as said proxies deem advisable on such other matters as may come before the Meeting.

The following proposals relate to, and are numbered to correspond to, the numbered agenda items in the Convocation for the 2021 Extraordinary General Meeting of Shareholders:

2. Composition of the Supervisory Board
 - a. Appointment of Mrs. Pauline van der Meer Mohr to the Supervisory Board
 - b. Appointment of Mr. Adalio Sanchez to the Supervisory Board

A Proposals

ASM International N.V.

The Management Board recommends a vote "For" all Proposals.

	For	Against	Abstain
Proposal 2a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proposal 2b	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B Authorized Signatures - Sign Here - This section must be completed for your instructions to be executed.

If these Voting Instructions are signed and timely returned to the Depository but no specific direction as to voting is marked above as to a Proposal, the undersigned shall be deemed to have directed the Depository to give voting instructions "FOR" all unmarked Proposals.

If these Voting Instructions are signed and timely returned to the Depository but multiple specific directions as to voting are marked above as to a Proposal, the undersigned shall be deemed to have directed the Depository to give an "ABSTAIN" voting instruction for such issue.

Please be sure to sign and date this Voting Instructions Card.

Please sign your name to the Voting Instructions exactly as printed. When signing in a fiduciary or representative capacity, give full title as such. Where more than one owner, each MUST sign. Voting Instructions executed by a corporation should be in full name by a duly authorized officer with full title as such.

Signature 1 - Please keep signature within the line

Signature 2 - Please keep signature within the line

Date (mm/dd/yyyy)

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