POWER OF ATTORNEY

for the Extraordinary General Meeting of ASM International N.V. (the "**Company**"), to be held at Wednesday 29 September 2021, 12:30 p.m. CET, at the Company's office, Versterkerstraat 8, Almere, the Netherlands (the "**EGM**").

The undersigned:

| (shareholder natural person) |
|------------------------------------|
| First name(s): |
| surname: |
| address: |
| postal code and town: |
| country: |
| telephone number: |
| bank: |
| registration number ¹ : |
| or |
| (legal person shareholder) |
| name: |
| statutory seat: |
| office address: |
| postal code and town: |
| country: |
| telephone number: |
| bank: |
| registration number ² : |

(the "**Shareholder**"), on the record date (1 September 2021) holder of ______ (number) common shares in the share capital of the Company (the "**Shares**"),

declares to grant a power of attorney to: mr. Michel van Agt (an independent civil law notary from Loyens & Loeff N.V.) or his legal substitute, with the right of substitution (the "**Representative**"), to attend and address the EGM on behalf of the Shareholder and to cast votes (electronically or otherwise) on the Shares in accordance with the following instructions set out below³:

¹ The number received from ABN AMRO as proof of registration for the EGM.

² The number received from ABN AMRO as proof of registration for the EGM.

³ If you do not give voting instructions, your proxy shall be deemed to include a voting instruction in favour of all proposals made by the Management Board and/or the Supervisory Board.

| | Agenda item | In favour | Against | abstain |
|----|--|-----------|---------|---------|
| 1 | Opening / Announcements | n.a. | n.a. | n.a. |
| 2 | Composition of the Supervisory Board | n.a. | n.a. | n.a. |
| 2A | Appointment of Mrs. Pauline van der Meer Mohr to the Supervisory Board | | | |
| 2B | Appointment of Mr. Adalio Sanchez to the Supervisory Board | | | |
| 3 | Closure | n.a. | n.a. | n.a. |

and declares:

to indemnify and to hold harmless the Representative against any claims, actions or proceedings made against the Representative and against any damages, costs and expenses that the Representative might incur in connection with this power of attorney and to agree that the Representative undertakes any action that the Shareholder could or would be entitled to undertake.

This power of attorney is governed by Dutch law. Disputes, if any, with respect to this power of attorney shall be exclusively submitted to the competent Court in Amsterdam.

| signature: | |
|------------|---|
| place: | |
| date: | · |

Please attach copy of passport or identity card. In case of a legal person shareholder, please also include proof of representative authority.