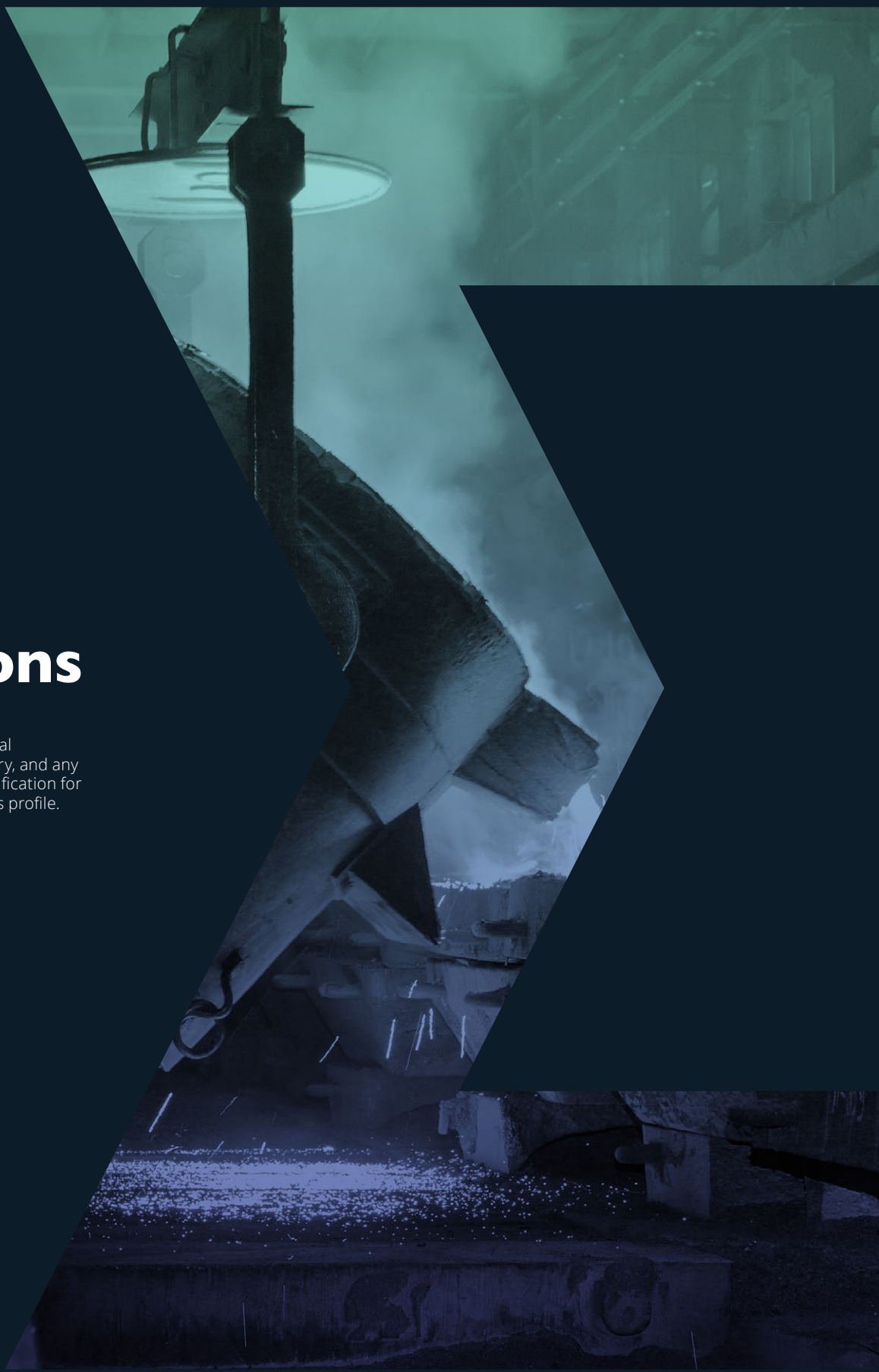

Preset Definitions

Below specifications are most usual definitions. They are not mandatory, and any user can add its own pre-set specification for its own purposes and save it on its profile.

SoftMetal

Ferro Chromium

HGHC (High Grade High Carbon)

CHEMISTRY	MIN		MAX
Chromium:	65%	-	100%
Carbon:	6%	-	9%
Silicon:	0%	-	1.5%
Phosphorus:	0%	-	0.03%
Sulphur:	0%	-	0.05%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Albania
- ✓ Kazakhstan
- ✓ Georgia
- ✓ Sweden
- ✓ Turkey

LGHC (Low Grade High Carbon)

CHEMISTRY	MIN		MAX
Chromium:	56%	-	64.999%
Carbon:	6%	-	9%
Silicon:	0%	-	4%
Phosphorus:	0%	-	0.04%
Sulphur:	0%	-	0.06%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Brazil
- ✓ China
- ✓ Georgia
- ✓ India
- ✓ Zimbabwe

CHCR (Charge Chrome)

CHEMISTRY	MIN		MAX
Chromium:	45%	-	55.999%
Carbon:	6%	-	9.5%
Silicon:	0%	-	7%
Phosphorus:	0%	-	0.03%
Sulphur:	0%	-	0.06%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Brazil
- ✓ Finland
- ✓ Georgia
- ✓ Oman
- ✓ South Africa
- ✓ Turkey
- ✓ Zimbabwe

Ferro Chromium

LPHC (Low Phosphorus High Carbon)

CHEMISTRY	MIN		MAX
Chromium:	65%	-	100%
Carbon:	6%	-	8%
Silicon:	0%	-	1%
Phosphorus:	0%	-	0.015%
Sulphur:	0%	-	0.05%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Albania
- ✓ Georgia
- ✓ Kazakhstan
- ✓ Sweden
- ✓ Turkey

(C ≥ 4%)

CHEMISTRY	MIN		MAX
Chromium:	45%	-	100%
Carbon:	4%	-	9.5%
Silicon:	0%	-	7%
Phosphorus:	0%	-	0.050%
Sulphur:	0%	-	0.07%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Albania
- ✓ Georgia
- ✓ Kazakhstan
- ✓ Sweden
- ✓ Turkey

(C < 4%)

CHEMISTRY	MIN		MAX
Chromium:	60%	-	100%
Carbon:	0%	-	3.999%
Silicon:	0%	-	1.5%
Phosphorus:	0.030%	-	0.050%
Sulphur:	0%	-	0.05%
Size:	0mm	-	300mm

ORIGINS*

- ✓ Albania
- ✓ Georgia
- ✓ Kazakhstan
- ✓ Sweden
- ✓ Turkey

*Producers from Japan and possibly other countries are not included in origins above due to very specific quality parameters and might be added later.

Ferro Silicon

FeSi65 (FeSi min 65%)

CHEMISTRY	MIN		MAX
Manganese	0%	-	0.5%
Carbon:	0%	-	0.15%
Silicon:	65%	-	100%
Phosphorus:	0%	-	0.03%
Sulphur:	0%	-	0.03%
Aluminium	0%	-	1.5%
Size	0mm	-	300mm

ORIGINS

- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ Egypt
- ✓ Iceland
- ✓ India
- ✓ Kazakhstan
- ✓ Malaysia
- ✓ Norway
- ✓ South Africa

FeSi70 (FeSi min 70%)

CHEMISTRY	MIN		MAX
Manganese	0%	-	0.5%
Carbon:	0%	-	0.2%
Silicon:	70%	-	100%
Phosphorus:	0%	-	0.05%
Sulphur:	0%	-	0.04%
Aluminium	0%	-	1.5%
Size	0mm	-	300mm

ORIGINS

- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ Egypt
- ✓ Iceland
- ✓ India
- ✓ Kazakhstan
- ✓ Malaysia
- ✓ Norway
- ✓ South Africa

Ferro Silicon

FeSi75 (FeSi min 75%)

CHEMISTRY	MIN		MAX
Manganese	0%	-	0.5%
Carbon:	0%	-	0.1%
Silicon:	75%	-	100%
Phosphorus:	0%	-	0.05%
Sulphur:	0%	-	0.03%
Aluminium	0%	-	1.5%
Size	0mm	-	300mm

ORIGINS

- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ Egypt
- ✓ Iceland
- ✓ India
- ✓ Kazakhstan
- ✓ Malaysia
- ✓ Norway
- ✓ South Africa

FeSi75LA (FeSi min 75% low Aluminium)

CHEMISTRY	MIN		MAX
Manganese	0%	-	0.5%
Carbon:	0%	-	0.1%
Silicon:	75%	-	100%
Phosphorus:	0%	-	0.05%
Sulphur:	0%	-	0.03%
Aluminium	0%	-	0.5%
Size	0mm	-	300mm

ORIGINS

- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ Egypt
- ✓ Iceland
- ✓ India
- ✓ Kazakhstan
- ✓ Malaysia
- ✓ Norway
- ✓ South Africa

Ferro Manganese

HC (High Carbon)

CHEMISTRY	MIN		MAX
Manganese:	65%	-	100%
Carbon:	2%	-	8%
Silicon:	0%	-	3%
Phosphorus:	0%	-	0.5%
Sulphur:	0%	-	0.03%
Size:	0mm	-	300mm

ORIGINS

- ✓ Brazil
- ✓ China
- ✓ India
- ✓ Kazakhstan
- ✓ Malaysia
- ✓ South Africa
- ✓ South Korea
- ✓ Zambia

MC (Medium Carbon)

CHEMISTRY	MIN		MAX
Manganese:	75%	-	100%
Carbon:	0.5%	-	2.5%
Silicon:	0%	-	3%
Phosphorus:	0%	-	0.35%
Sulphur:	0%	-	0.03%
Size:	0mm	-	300mm

ORIGINS

- ✓ China
- ✓ India
- ✓ Mexico
- ✓ South Africa

LC (Low Carbon)

CHEMISTRY	MIN		MAX
Manganese:	75%	-	95%
Carbon:	0%	-	0.5%
Silicon:	0%	-	2%
Phosphorus:	0%	-	0.3%
Sulphur:	0%	-	0.03%
Size:	0mm	-	300mm

ORIGINS

- ✓ China
- ✓ India
- ✓ Mexico
- ✓ South Africa

Ferro Manganese

Mn (Mn Metal 95%)

CHEMISTRY	MIN		MAX
Manganese:	95%	-	100%
Carbon:	0%	-	0.2%
Silicon:	0%	-	1.8%
Phosphorus:	0%	-	0.07%
Sulphur:	0%	-	0.05%
Size:	0mm	-	300mm

ORIGINS

- ✓ **China**
- ✓ **South Africa**