

Final optimized temperature program used for the determination of iron in myoglobin using HR-CS-AAS.

| Step | Stage        | Temp [°C] | Ramp[°C/s] | Holding -Time [s] | Gas purge |
|------|--------------|-----------|------------|-------------------|-----------|
| 1    | Drying       | 90        | 10         | 45                | Max       |
| 2    | Drying       | 105       | 7          | 60                | Max       |
| 3    | Drying       | 500       | 50         | 30                | Max       |
| 4    | Pyrolysis    | 1150      | 200        | 20                | Max       |
| 5    | Gas adaption | 1150      | 0          | 5                 | Stop      |
| 6    | Atomisation  | 2250      | 1500       | 4                 | Stop      |
| 7    | Cleaning     | 2500      | 500        | 5.5               | Max       |