

Marcowe

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **28**
- SRM **8.1**
- Style **Oktoberfest/Märzen**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **14.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.3 liter(s)**
- Total mash volume **12.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1 kg (32.3%)	80 %	4
Grain	Strzegom Wiedeński	1 kg (32.3%)	79 %	10
Grain	Strzegom Monachijski typ I	1 kg (32.3%)	79 %	16
Grain	Strzegom Karmel 150	0.1 kg (3.2%)	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	7.8 %
Boil	Lublin (Lubelski)	15 g	20 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Dry	11 g	Fermentis Division of S.I.Lesaffre