

# Oktoberfest - "Marcowe" - 15 BLG

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **16**
- SRM **8.8**
- Style **Oktoberfest/Märzen**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.75 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **26.6 liter(s)**

## Steps

- Temp **52 C**, Time **30 min**
- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **56.3C**
- Add grains
- Keep mash **30 min** at **52C**
- Keep mash **60 min** at **66C**
- Keep mash **0 min** at **78C**
- Sparge using **9.9 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Wiedeński	2.8 kg (50%)	79 %	10
Grain	Strzegom Monachijski typ I	2.6 kg (46.4%)	79 %	16
Grain	Caramunich® typ I	0.2 kg (3.6%)	73 %	80

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	15 g	75 min	5.5 %
Boil	Tradition	55 g	5 min	5.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa - W35 German Lager	Lager	Dry	10 g	Gozdawa