

# Lager karmelowy

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- Gravity **11 BLG**
- ABV ---
- IBU **59**
- SRM **5.1**
- Style **Standard American Lager**

## Batch size

- Expected quantity of finished beer **50 liter(s)**
- Trub loss **5 %**
- Size with trub loss **52.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **63.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **33 liter(s)**
- Total mash volume **44 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	8 kg (72.7%)	80 %	4
Grain	Karmelowy Jasny 30EBC	1 kg (9.1%)	75 %	30
Grain	Strzegom Monachijski typ I	2 kg (18.2%)	79 %	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	100 g	60 min	10 %
Boil	Lublin (Lubelski)	50 g	30 min	4 %
Aroma (end of boil)	Lublin (Lubelski)	50 g	10 min	4 %
Aroma (end of boil)	Sladek	20 g	10 min	6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Slant	400 ml	Fermentis