

# Mittelfrüh Pils

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **41**
- SRM **2.9**
- Style **German Pilsner (Pils)**

## Batch size

- Expected quantity of finished beer **18.6 liter(s)**
- Trub loss **15 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **18.8 %/h**
- Boil size **28 liter(s)**

## Mash information

- Mash efficiency **88.5 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **15.2 liter(s)**
- Total mash volume **19 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.8 kg (100%)	80 %	3.65

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum PL	18 g	60 min	12.7 %
Boil	Hallertau Mittelfruh	35 g	15 min	4 %
Whirlpool	Hallertau Mittelfruh	65 g	15 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
WLP830 - German Lager Yeast	Lager	Slant	105 ml	White Labs
Starter z gęstwy, 10°P, 1700 ml				