

# Paul Von Hindenburg - German Pils

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **35**
- SRM **4**
- Style **German Pilsner (Pils)**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **5 min** at **78C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	5 kg (100%)	81 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	30 g	60 min	7 %
Boil	Perle	30 g	15 min	7 %
Boil	Perle	40 g	1 min	7 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM31 Bawarska Dolina	Lager	Liquid	1500 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Finning	Mech Irlandzki	5 g	Boil	10 min

## Notes

- Fermentacja:  
Burzliwa (7-8 dni w 18-20 st. C)

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

Cicha (7-8 dni w 18-20 st. C)

Butelkowanie:

Syrop cukrowy na refermentację (110 g cukru w 400 ml wody)

Dojrzewanie piwa:

3 tygodnie w temperaturze 10-18 st. C.

Na zdrowie

*Aug 5, 2017, 1:06 PM*