

American Pils Polish Hops

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **28**
- SRM **6.5**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **32.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|--------------|-------|-----|
| Grain | Pilzneński | 5 kg (83.3%) | 81 % | 4 |
| Grain | BESTMALZ - Best Melanoidin Light | 1 kg (16.7%) | 75 % | 50 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | Książęcy | 30 g | 60 min | 7 % |
| Boil | Zula | 20 g | 20 min | 8.3 % |
| Aroma (end of boil) | Książęcy | 20 g | 0 min | 7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------|-------|------|--------|------------|
| novalager | Lager | Dry | 11 g | --- |