

Supernova

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **31**
- SRM **4.1**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **26 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)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|------------|--------|-----|
| Grain | Briess - Pilsen Malt | 4 kg (80%) | 80.5 % | 2 |
| Grain | Munich Malt | 1 kg (20%) | 80 % | 18 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 33 g | 60 min | 8.8 % |